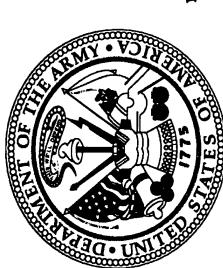
DEPARTMENT OF THE ARMY

Procurement Programs



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DTIC QUALITY INSPECTED 2

Committee Staff Procurement Backup Book FY 1999 Budget Estimates

ACTIVITIES 3/4, OTHER SUPPORT EQUIPMENT AND INITIAL SPARES OTHER PROCUREMENT, ARMY

APPROPRIATION

Approved for public releases
Distribution Unlimited

Index for OTHER PROCUREMENT, ARMY - Activities 3 & 4

Blin	Nomenclature	SSN	Filename	Page Number
	P1 EXHIBIT			P1-1
	P1M EXHIBIT			P1M -1
117	GEN SMK MECH:MTRZD DUAL PURP M56	M99103	56225127.99P	•
118	GENERATOR, SMOKE, MECH M58	M99107	56232127.99P	9
120	LT VEH OBSCURANT SMK SYS	G70700	56472127.99P	12
121	RIBBON BRIDGE	MA8890	53542155.99P	17
122	METALLIC MINE DETECTOR, VEHICLE MOUNTED	M80100	52885122.99P	22
123	BN COUNTERMINE SIP	X01100	56000101.99P	27
124	ARMORED COMBAT EARTHMOVER	M05900	58602101.99P	31
126	AIR CONDITIONERS VARIOUS SIZE/CAPACITY	MF9300	50208152.99P	98
127	KITCHEN, CONTAINERIZED, FIELD (CK)	M86400	54135149.99P	43
128	SANITATION CENTER, FIELD FEEDING (FSC)	M66500	54554149.99P	47
129	FIRETRUCKS	MA9600	57098101.99P	51
130	TRUCK, FIREFIGHTING, MULTI-PURPOSE	M15800	57100101.99P	54
131	ARMY SPACE HEATER, 120,000 BTU (ASH)	M19600	58264152.99P	58
132	LAUNDRY ADVANCED SYSTEM (LADS)	M86200	58372149.99P	64
133	FLOODLIGHT SET. ELEC. TRL MTD, 3 LIGHTS	M72100	58476152.99P	89
134	SOLDIER ENHANCEMENT	MA6800	58796149.99P	73
135	LAND WARRIOR	M80500	58820149.99P	77
136	FORCE PROVIDER	M80200	58860149.99P	81
137	REFRIGERATION EQUIPMENT	MA5800	59100149.99P	87
138	ITEMS LESS THAN \$2.0M (CSS-EQ)	ML5325	59536101.99P	92
139	TANK ASSEMBLY FAB COLLAPSIBLE POL 10000G	M19000	51026101.99P	95
140	PUMP ASSY, REGULATED, 350 GPM	M16200	55028101.99P	100
141	INLAND PETROLEUM DISTRIBUTION SYSTEM	MA5120	57186101.99P	104
142		R21800	57802101.99P	107
143	ITEMS LESS THAN \$2.0M (POL)	MA7400	59034101.99P	11
144	SMALL MOBILE WATER CHILLER (SMWC)	M15700	56374101.99P	114

Index for OTHER PROCUREMENT, ARMY - Activities 3 & 4

Blin	Nomenclature	SSN	Filename	Page Number
145	ITEMS LESS THAN \$2.0M (WATER EQ)	ML5335	59510101.99P	120
146	COMBAT SUPPORT MEDICAL	MN1000	57500109.99P	122
147	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP)	M61500	50532100.99P	136
148	WELDING SHOP, TRAILER MTD	M62700	52252100.99P	142
149	ITEMS LESS THAN \$2.0M (MAINT EQ)	ML5345	59562100.99P	147
150	DIST, BITUM MATERIAL 1500G TRK MTD	R02100	51974155.99P	151
151	ROLLER, VIBRATORY, SELF-PROPELLED (CCE)	R03300	53414101.99P	156
152	HYDRAULIC EXCAVATOR	X01500	54428101.99P	160
153	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS	M06105	54429101.99P	165
154	TRUCK, DUMP, 20T (CCE)	R03000	55862101.99P	171
155	CRUSHING/SCREENING PLANT, 150 TPH	M07000	56438101.99P	176
156	CRANE, WHEEL MTD, 25T, 3/4 CU YD, RT	X00800	57302101.99P	180
157	ITEMS LESS THAN \$2.0M (CONST EQUIP)	ML5350	59462101.99P	186
158	PUSHER TUG, SMALL	M44500	51782101.99P	188
159	FLOATING CRANE, 100-250 TON	M32400	53042101.99P	194
160	CONTAINERIZED MAINTENANCE FACILITY	M11300	54400101.99P	199
161	CAUSEWAY SYSTEMS	R97500	54512101.99P	204
162	RAILWAY CAR, FLAT, 100 TON	M37000	54932101.99P	208
163	ITEMS LESS THAN \$2.0M (FLOAT/RAIL)	ML5355	59552101.99P	215
164	GENERATORS AND ASSOCIATED EQUIP	MA9800	50426151.99P	217
165	TRUCK, FORK LIFT, DE, PT, RT, 50000 LB	M41200	55382101.99P	270
166	ALL TERRAIN LIFTING ARTICULATING SYSTEM	M41800	57240101.99P	276
167	ROUGH TERRAIN CONTAINER CRANE	00600X	57846101.99P	282
168	ITEMS LESS THAN \$2.0M (MHE)	MA8600	59254101.99P	287
169	COMBAT TRAINING CENTERS SUPPORT	MA6600	51780113.99P	289
170	TRAINING DEVICES, NONSYSTEM	NA0100	52062113.99P	311
171		NA0170	56542113.99P	355
172	FIRE SUPPORT COMBINED ARMS TACTICAL TRAINER	NA0174	56610113.99P	363

Index for OTHER PROCUREMENT, ARMY - Activities 3 & 4

Blin	Blin Nomenclature	SSN	Filename	Page Number
173	CALIBRATION SETS EQUIPMENT	N10000	50100147.99P	369
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE)	MB4000	50200147.99P	379
175	TMDE MODERNIZATION (TMOD)	N11000	50600147.99P	396
176	RECONFIGURABLE SIMULATORS	KA6000	50020113.99P	402
177	PHYSICAL SECURITY SYSTEMS (OPA3)	MA0780	50050153.99P	408
178	SYSTEM FIELDING SUPPORT (OPA-3)	MA0070	50120116.99P	416
179	BASE LEVEL COM'L EQUIPMENT	MB7000	50312156.99P	417
181	ELECTRONIC REPAIR SHELTER	MB2201	50501147.99P	418
182	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3)	MA4500	51110156.99P	423
183	PRODUCTION BASE SUPPORT (OTH)	MA0450	51220144.99P	446
184	SPECIAL EQUIPMENT FOR USER TESTING	VERALL	51572113.99P	448
186	TRACTOR VAPOR	MA8975	59219116.99P	462
188	INITIAL SPARES - TSV	DS1000	50201107.99P	463
189	INITIAL SPARES - C&E	BS9100	50202107.99P	464
190	INITIAL SPARES - OTHER SUPPORT EQUIP	MS3500	50203107.99P	466

FY 99

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

		-	(DOLS)			(Thous	(Thousands of Dollars)		
NO.	ITEM NOMENCLATURE	٥	FY 99 UNIT		FY 97		FY 98		FY 99
		!	COST	QTY	COST	ΩTY	COST	QTY	COST
(1)	(2)	<u>(e)</u>	(4)	(2)	(9)	(2)	(8)	(6)	(10)
	CHEMICAL DEFENSIVE EQUIPMENT								
117	GEN SMK MECH:MTRZD DUAL PURP M56 (M99103)	<	198,815	99	12,447	62	12,267	92	15,110
118	GENERATOR, SMOKE, MECH M58 (M99107)	<	279,526	40	11,523	27	8,946	38	10,622
119	GEN SET, SMOKE, MECH: PUL JET, M157 SERIES (M99104)	⋖		85	3,403				
120	LT VEH OBSCURANT SMK SYS (G70700)		1,960	·		486	2,114	2,363	4,633
	SUB-ACTIVITY TOTAL				27,373		23,327		30,365
	BRIDGING EQUIPMENT								
121	RIBBON BRIDGE (MA8890)				4,446		4,102		8,824
	SUB-ACTIVITY TOTAL				4,446		4,102		8,824
-	**ENGINEER (NON CONSTRUCTION) EQUIPMENT**								
122	METALLIC MINE DETECTOR, VEHICLE MOUNTED (M80100)	ω	1,887,500			Φ	12,281	Ø	3,775
123	BN COUNTERMINE SIP (X01100)	÷					3,279		3,670
124	M-9 ARMORED COMBAT EARTHMOVER (ACE) (M05900)	۷.		51	51,005				
		1							

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

			(DOLS)			(Thous	(Thousands of Dollars)		
LINE NO.	ITEM NOMENCLATURE	2	FY 99 UNIT		FY 97		FY 98		FY 99
			COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(3)	(4)	(2)	(9)	(2)	(8)	(6)	(10)
125	ITEMS LESS THAN \$2.0M(ENG NON-CONST) (ML5320)	∢			961				
	SUB-ACTIVITY TOTAL				51,966		15,560		7,445
	COMBAT SERVICE SUPPORT EQUIPMENT								
126	AIR CONDITIONERS VARIOUS SIZE/CAPACITY (MF9300)	4			1,461	• • •	1,433		4,650
127	KITCHEN, CONTAINERIZED, FIELD (CK) (M86400)	ω	96,558					77	7,435
128	SANITATION CENTER, FIELD FEEDING (FSC) (M66500)		12,629	54	664			108	1,364
129	FIRETRUCKS (MA9600)								15,000
130	TRUCK, FIREFIGHTING, MULTI-PURPOSE (M15800)		284,666					9	1,708
131	ARMY SPACE HEATER, 120,000 BTU (ASH) (M19600)	∢	9,645	258	2,488	94	806	110	1,061
132	LAUNDRY ADVANCED SYSTEM (LADS) (M86200)	æ	379,789					19	7,216
133	FLOODLIGHT SET, ELEC, TRL MTD, 3 LIGHTS (M72100)	Θ.	17,203					113	1,944
134	SOLDIER ENHANCEMENT (MA6800)						1,670		4,832
135	LAND WARRIOR (M80500)	В	201,490	,	-			255	51,380

Activity: 3. **OTHER SUPPORT EQUIPMENT**

Appropriation: **OTHER PROCUREMENT, ARMY**

		r	(DOLS)			(Thous	(Thousands of Dollars)		
LINE NO.	ITEM NOMENCLATURE	۵	FY 99 UNIT		FY 97		FY 98		FY 99
			COST	QTY	COST	QTY	COST	QTY	COST
Ξ	(2)	(e)	(4)	(2)	(9)	(2)	(8)	(6)	(10)
136	FORCE PROVIDER (M80200)	4	6,104,500	4	24,863	2	11,362	4	24,418
137	REFRIGERATION EQUIPMENT (MA5800)	<			4,274				1,930
138	ITEMS LESS THAN \$2.0M (CSS-EQ) (ML5325)	⋖			3,681		1,973		4,749
	SUB-ACTIVITY TOTAL				37,431		17,346		127,687
	PETROLEUM EQUIPMENT								
139	TANK ASSEMBLY FAB COLL POL 50000 G (M19000)	∢	434,882	92	859			17	7,393
140	PUMP ASSY, REGULATED, 350 GPM (M61200)	•	35,800					10	358
141	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)	⋖			3,062		1,013		8,342
142	FORWARD AREA REFUELING SYS ADV AVIATION (R21800)	∢	296,055					18	5,329
143	ITEMS LESS THAN \$2.0M (POL) (ML5330)	⋖			6,467		7,055		4,657
	SUB-ACTIVITY TOTAL				10,388		8,068		26,079
	WATER EQUIPMENT					•			
144	SMALL MOBILE WATER CHILLER (SMWC) (M15700)	∢	9,345					310	2,897
				:				•	

DEPARTMENT OF THE ARMY FY 99 PROCUREMENT PROGRAM

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

			(DOLS)			(Thous:	(Thousands of Dollars)		
S E	ITEM NOMENCIATURE	<u>c</u>	FY 99		FY 97		FY 98		FY 99
}		5	COST	QTY	COST	QTY	COST	OTY	COST
(1)	(2)	(3)	(4)	(2)	(9)	(2)	(8)	(6)	(10)
145	ITEMS LESS THAN \$2.0M (WATER EQ) (ML5335)	٧			2,968		2,795		1,255
	SUB-ACTIVITY TOTAL				2,968		2,795		4,152
	MEDICAL EQUIPMENT								
146	COMBAT SUPPORT MEDICAL (MN1000)				15,765		11,368		25,807
	SUB-ACTIVITY TOTAL				15,765		11,368		25,807
	MAINTENANCE EQUIPMENT								
147	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP) (M61500)	∢	43,872	31	1,665	28	1,597	180	7,897
148	WELDING SHOP, TRAILER MTD (M62700)	∢	55,345					55	3,044
149	ITEMS LESS THAN \$2.0M (MAINT EQ) (ML5345)	∢			1,317		4,070		4,754
_	SUB-ACTIVITY TOTAL				2,982		5,667		15,695
	CONSTRUCTION EQUIPMENT								
150	DIST, BITUM MATERIAL 1500G TRK MTD (R02100)	∢	218,850	10	3,300			20	4,377
151	ROLLER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	∢				06	5,930	8	
152	HYDRAULIC EXCAVATOR (X01500)	œ	246,230	24	5,578	12	2,759	26	6,402

Activity: 3. **OTHER SUPPORT EQUIPMENT**

Appropriation: **OTHER PROCUREMENT, ARMY**

		Г	(DOLS)			(Thous	(Thousands of Dollars)		
LINE NO.	ITEM NOMENCLATURE	0	FY 99 UNIT		FY 97		FY 98		FY 99
			COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(3)	(4)	(2)	(9)	(2)	(8)	(6)	(10)
153	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)		408,173	21	7,665	22	8,678	23	886,6
154	TRUCK, DUMP, 20T (CCE) (R03000)	⋖	201,590	206	43,263	•		99	13,305
155	CRUSHING/SCREENING PLANT, 150 TPH (M07000)	⋖	1,900,500					N	3,801
156	CRANE, WHEEL MTD, 25T, 3/4 CU YD, RT (X00800)	∢	245,808	59	6,108	25	13,727	47	11,553
157	ITEMS LESS THAN \$2.0M (CONST EQUIP) (ML5350)	∢			2,319		825		1,929
	SUB-ACTIVITY TOTAL				68,233		31,919		50,755
	FAIL FLOAT CONTAINERIZATION EQUIPMENT								
158	PUSHER TUG, SMALL (M44500)	8	4,269,000	N	7,599	8	6,597	_	4,269
159	FLOATING CRANE, 100-250 TON (M32400)	۵		-	13,888	-	13,744		
160	CONTAINERIZED MAINTENANCE FACILITY (M11300)		5,300,000					-	5,300
161	CAUSEWAY SYSTEMS (R97500)	∢					,		17,083
162	RAILWAY CAR, FLAT, 100 TON (M37000)	⋖	86,513	138	13,741	165		148	12,804

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

			(DOLS)			(Thous	(Thousands of Dollars)		
NO E	ITEM NOMENCLATURE	₽	FY 99 UNIT		FY 97		FY 98		FY 99
		-	COST	QTY	COST	QTY	COST	QTY	COST
Ξ	(2)	ල	(4)	(2)	(9)	(7)	(8)	(6)	(10)
163	ITEMS LESS THAN \$2.0M (FLOAT/RAIL) (ML5355)	∢			3,707		8,951		3,235
	SUB-ACTIVITY TOTAL				38,935		29,292		42,691
	GENERATORS								
164	GENERATORS AND ASSOCIATED EQUIP (MA9800)	<			27,308		7,526		82,749
	SUB-ACTIVITY TOTAL				27,308	****	7,526		82,749
	MATERIAL HANDLING EQUIPMENT	-							
165	TRUCK, FORK LIFT, DE, PT, RT, 50000 LB (M41200)	۷.	203,841					101	20,588
166	ALL TERRAIN LIFTING ARTICULATING SYSTEM (M41800)		324,000	168	16,519	34	3,471	47	15,228
167	ROUGH TERRAIN CONTAINER CRANE (X00900)	∢	453,833					30	13,615
168	ITEMS LESS THAN \$2.0M (MHE) (ML5365)	∢			1,999		1,683		1,672
-	SUB-ACTIVITY TOTAL	******			18,518		5,154		51,103
	TRAINING EQUIPMENT								
169	COMBAT TRAINING CENTERS SUPPORT (MA6600)				26,617		26,101		47,395

Appropriation: **OTHER PROCUREMENT, ARMY**

Activity: 3. **OTHER SUPPORT EQUIPMENT**

		r	(DOLS)			(Thousa	(Thousands of Dollars)		
LINE NO.	ITEM NOMENCLATURE	₽	FY 99 UNIT		FY 97		FY 98		FY 99
			COST	ΩTY	COST	QTY	COST	QTY	COST
(1)	(2)	(3)	(4)	(2)	(9)	(7)	(8)	(6)	(10)
170	TRAINING DEVICES, NONSYSTEM (NA0100)				73,546		52,416		56,755
171	SIMNET/CLOSE COMBAT TACTICAL TRAINER (NA0170)	⋖			64,222		53,326		113,927
172	FIRE SUPPORT COMBINED ARMS TACTICAL TRAINER (NA0174)	Δ.			21,994		19,396		28,124
	SUB-ACTIVITY TOTAL				186,379		151,239		246,201
	TEST MEAS & DIAG EQUIP (TMDE)								
173	CALIBRATION SETS EQUIPMENT (N10000)						6,418		9,984
174	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) (MB4000)						34,217		54,051
175	TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)						6,418		13,797
	SUB-ACTIVITY TOTAL						47,053		77,832
	OTHER SUPPORT EQUIPMENT								
176	RECONFIGURABLE SIMULATORS (KA6000)	æ			2,296		13,501		1,967
177	PHYSICAL SECURITY SYSTEMS (OPA3) (MA0780)	∢			7,218	·	6,322		16,164
178	SYSTEM FIELDING SUPPORT (OPA-3) (MA0070)				7,918		4,825		7,143

Appropriation: **OTHER PROCUREMENT, ARMY**

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			(DOLS)			(Thous	(Thousands of Dollars)		
LINE NO	ITEM NOMENCLATURE	۵	FY 99 UNIT		FY 97		FY 98		FY 99
			COST	QTY	COST	QTY	COST	QTY	COST
(1)	(2)	(2)	(4)	(2)	(9)	(2)	(8)	(6)	(10)
179	BASE LEVEL COM'L EQUIPMENT (MB7000)				5,993		4,182		269'6
180	TRANSPORTATION AUTOMATED MEASURING SYS (TRAMS) (MB8000)						2,918		
181	ELECTRONIC REPAIR SHELTER (MB2201)		1,847,000			9	5,545	2	3,694
182	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)				14,844		16,271		17,667
183	PRODUCTION BASE SUPPORT (OTH) (MA0450)				1,905		2,189		2,27,4
184	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)				13,475		14,574		15,062
185	OPA INITIAL SPARES (MY0035)				2,430				
186	MA8975 (MA8975)				2,172		4,145		6,020
187	CLOSED ACCOUNT ADJUSTMENTS (MA9999)				584			-	
	SUB-ACTIVITY TOTAL				58,835		74,472		79,688
	ACTIVITY TOTAL				551,527		434,888		877,073

Activity: 4. **INITIAL SPARES**

Appropriation: **OTHER PROCUREMENT, ARMY**

Exhibit P-1M, Procurement Programs - Modification Summary

1006 8								ŀ	ŀ
Prior	1997	1998	1999	2000	2001	2002	2003	10 Complete	l otal <u>Program</u>
		3.3	3.7	18.3	7.7				32.9
		3.3	3.7	18.3	7.7				32.9
0.3	1.2	1.2	1.0	0.5	2.4	0.4	0.4	0.8	8.2
1.4	3.5	5.0	3.4	1.0					14.3
	3.3	0.9							9.3
	1.1	0.3	0.1	5.2	6.8	6.7	6.7	1.8	28.7
10.8	0.2								11.0
7.5	1.7	3.8	3.8	4.2	4.2	4.5	0.1		29.8
			1.9	3.9					5.8
	1.8						1.1		2.9
			5.9						2.9
					2.5	3.4			5.9
	5.0								2.0
			1.7	2.3	4.2	0.8	0.7	15.8	25.5
			2.9	5.8	0.9				14.7
20.0	14.8	16.3	17.7	22.9	26.1	15.8	0.6	18.4	161.0
20.0	14.8	19.6	21.4	41.2	33.8	15.8	9.0	18.4	193.9
0.3 1.4 10.8 7.5 20.0	(but		1997 1.2 3.3 3.3 1.1 1.7 1.8 1.8 1.8	1997 1998 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.3 3.	1997 1998 1999 3.3 3.7 3.3 3.7 3.3 3.7 3.3 3.7 3.3 6.0 1.1 0.3 0.1 0.2 3.8 3.8 1.7 3.8 3.8 1.8 1.9 2.0 1.7 2.0 1.7 14.8 16.3 17.7 14.8 19.6 21.4	1997 1998 2000 2 3.3 3.7 18.3 3.3 3.7 18.3 3.3 3.7 18.3 3.3 3.7 18.3 3.3 3.7 18.3 3.5 5.0 3.4 1.0 3.5 5.0 3.4 1.0 0.2 3.8 4.2 1.7 3.8 4.2 1.8 2.9 3.9 1.8 1.7 2.3 2.0 1.7 2.3 2.9 5.8 14.8 16.3 17.7 22.9 14.8 19.6 21.4 41.2 3	1997 1998 1999 2000 2001 3.3 3.7 18.3 7.7 3.3 3.7 18.3 7.7 3.3 3.7 18.3 7.7 3.3 3.7 18.3 7.7 3.5 5.0 3.4 1.0 2.4 3.5 5.0 3.4 1.0 6.8 6.8 0.2 3.8 3.8 4.2 4.2 4.2 1.7 3.8 3.9 4.2 4.2 4.2 4.2 2.0 1.7 2.9 5.8 6.0 6.0 6.0 4.4.8 16.3 17.7 22.9 5.6.1 6.0 6.0 14.8 19.6 21.4 41.2 33.8 6.0 <td< th=""><th>1997 1998 2000 2001 2002 2003 3.3 3.7 18.3 7.7 8.3 2.0</th><th>1997 1998 1999 2000 2001 2002 2003 Complex com</th></td<>	1997 1998 2000 2001 2002 2003 3.3 3.7 18.3 7.7 8.3 2.0	1997 1998 1999 2000 2001 2002 2003 Complex com

P-1M Page 1 of 1

Exhibit P-1M Procurement Programs - Modification Summary

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Iten	tem Justifica	n Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	ıre:					
Ю	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support t	Equipment					GEN SMK MECH	GEN SMK MECH:MTRZD DUAL PURP M56 (M99103)	M56 (M99103)		
Program Elements for Code B ttems:	ns:			Code:	Other Related Program Elements:	am Elements:						
				∢								-
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	30	47		99	62	9/			06	82		453
Gross Cost	5.1	12.4	0.0	12.4	12.3	15.1	0.0	0.0	20.0	18.1	0.0	95.4
Less PY Adv Proc		_										
Plus CY Adv Proc												
Net Proc (P-1)	5.1	12.4	0.0	12.4	12.3	15.1	0.0	0:0	20.0	18.1	0.0	95.4
Initial Spares												
Total Proc Cost	5.1	12.4	0.0	12.4	12.3	15.1	0.0	0.0	20.0	18.1	0.0	95.4
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION:												

DESCRIPTION:

screening module is capable of vaporizing fog oil for up to 90 minutes and the infrared module is capable of disseminating a particulate material to provide 30 minutes of The M56, mounted on the High Mobility Multipurpose Wheeled Vehicle M1113 (HMMWV), will disseminate smoke on the move and from stationary positions to defeat enemy sensors and smart munitions such as tank thermal sights, guided munitions, directed energy weapons, and other systems operating in the visual through farinfrared regions of the electromagnetic spectrum. The system uses a turbine engine as a power source to disseminate large area obscurant clouds. The visual screening. A pre-planned product improvement (P3I) for millimeter wave obscuration will be capable of producing a 30 minute screen.

JUSTIFICATION:

forces. The M56 provides the first large area capability to defeat smart weapons operating in the infrared region of the electromagnetic spectrum. The FY99 program will The M56 will operate in support of light and airborne maneuver units by providing visual and infrared screening, thereby concealing movement and protecting these complete acquisition of 83% of the systems required for Force Package 1.

LO	Ě	Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCU	REMENT / 3 Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment		GEN SMK	GEN SMK MECH:MTRZD DUAL PURP M56	JAL PURP M56					February 1998
OPA	₽		FY 96			FY 97	(001669)		FY 98			FY 99	
	СD	TotalCost	Qty	UnitCost	TotalCost	Qîy	UnitCost	TotalCost	ģ	UnitCost	TotalCost	Žõ	UnitCost
	H	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Contract, Production	<				9644	99	146	8614	59	146	10878	74	147
Engineering Change Proposals (ECP)					166			38	•		158		
Depot Maintenance Work Requirement					200							-	
Government Furnished Equipment					969			644			763		
Driver's Vision Enhancer								1280			1511		
Engineering Support					1741			1691			1800		
NOTE: Quantities in P-1/FYDP for FY98 and FY99 require update. Quantities should 59 in FY98 and 74 in FY99.													
TOTAL					12447			12267			15110		

Item No. 117 Page 2 of 5 2

Exhibit P-5, Weapon System Cost Analysis

								Date:		
Exhibit	Exhibit P-5a, Budget Procurement!	History an	rement History and Planning					Œ.	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					ຶ	EN SMK MECI	GEN SMK MECH:MTRZD DUAL PURP M56 (M99103)	URP M56		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	γtο	Unit Cost	Specs Avail		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	:MON	Avail	
Contract, Production									-	
FY97	Robotic Systems Tech,	C/FPM5(3) CBDCOM	CBDCOM	Nov-96	Sep-97	99 5	146			
FY98 FY99	Westminster, MU	C/FPM5(5) CBDCOM	CBDCOM	Nov-98	Sep-99	7 2	140	YES		
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DTM ADVC.										
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E Y 86 / 86 YE	COC	TION SC	HED	JLE			P-1 Item Nomenclature: GEN SMK M	n Nome	enclati	Jre:	enclature: GEN SMK MECH:MTRZD DIJAI PURP M56 (M99103)	AZD L	4	dal	M56 (A	19910	=			<u>~</u>	Date:			3	1000	8		
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Contract, Production							L			▙	╄	\vdash	\vdash	_			Γ	⊢	╄	⊢	⊢	╄	╂━	╀	1	<u>'</u>	-	
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Item No. 117 Page 4 of 5 4

Exhibit P-21, Production Schedule

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Exhibit P-21, Production Schedule

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
10	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support E	Equipment					GENEHATO	GENËHATOH, SMOKE, MECH M58 (M99107)	58 (M99107)		
Program Elements for Code B Items:	15:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			45	40	27	38	24	31	42	33		280
Gross Cost	0.0	0.0	12.3	11.5	8.9	10.6	7.7	9.6	11.4	9.5	0.0	81.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	12.3	11.5	8.9	10.6	7.7	9.6	11.4	9.5	0.0	81.5
Initial Spares												
Total Proc Cost	0.0	0.0	12.3	11.5	8.9	10.6	7.7	9.6	11.4	9.5	0.0	81.5
Flyaway U/C												
Wpn Sys Proc U/C												
DESCEIPTION												

DESCRIPTION

The M58 is a mechanized multi-spectral smoke and obscurant system consisting of smoke generator components from the M56 motorized smoke generator program, M113A3 Armored Personnel Carriers (APC), a Drivers Vision Enhancer (DVE), and gas particulate filter unit for Chem/Bio protection. Fabrication of unique parts and assemblies and the integration of above Government Furnished Equipment (GFE) will occur at Anniston Army Depot (ANAD).

JUSTIFICATION

The FY99 funding supports complete fielding of Force Package (FP) 2. The M58 supports heavy maneuver units by providing visual and infrared screening, concealing movement, and protecting these units. The M58 has increased mobility over existing systems, which was identified as a need during Operation Desert Storm.

Exhibit P-5, Weapon	Ī	Appropriation/ Budget Activity/Serial No:	get Activity/t	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:		ř	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3 Equipment	/ Other Support		GENERATO	GENERATOR, SMOKE, MECH M58 (M99107)	H M58 (M99107)				Febru	February 1998
OPA	<u></u>		FY 96			FY 97			FY 98			FY 99	
nents	9	TotalCost	ģ	UnitCost	TotalCost	ģ	UnitCost	TotalCost	ģ	UnitCost	TotalCost	Q Çţ	UnitCost
		\$000	Each	\$000	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
Smoke Generator Components Engineering Change Proposals (ECP)	∢	5265 115	45	117	4680 253	40	117	3159 202	27	117	4446 95	38	117
M58 Application Kit Engineering Change Proposals (ECP)	⋖	1305	45	29	1320 252	40	33	810 180	27	30	1254 48	38	33
M58 System Conversion	٧	360	45	6 0	520	40	13	378	27	14	570	38	15
Drivers Vision Enhancer/Cdr Display	⋖	1710	45	38	1520	40	38	1026	27	38	1444	38	38
SINCGARS Installation Kit								81	27	ဇ	114	38	С
Gas Particulate Filter Unit (GPFU)	⋖	06	45	2	80	40	N	54	27	2	92	38	2
Manuals		320						350					
Engineering Support - OGA		832			811	2 1200		745			289		
Engineering Support		2164			2087			1961			1888		
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TOTAL		12301			11523			8946			10622		
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Exhibit F	Exhibit P-5a, Budget Procurement H	listory an	rement History and Planning					Date: Fel	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						GENERATO	GENERATOR, SMOKE, MECH M58 (M99107)	1 M58 (M99	107)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	νтο	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Smoke Generator Components* FY97 FY98 FY99	Robotic Systems Tech Westminster, Maryland	C/FP M(2) CBDCOM C/FP M(3) CBDCOM	сврсом сврсом сврсом	Dec-96 Dec-97 Dec-98	Nov-97 Oct-98 Oct-99	40 27 38	117	YES		
Drivers Vision Enhancer/Cdr Display** (M58) FY97 FY99 FY99	Texas Instruments, Dallas, Texas Texas Instruments, Dallas, Texas TBS	C/FP M(2) CECOM C/FP M(3) CECOM C/FP M(1) CECOM	CECOM CECOM CECOM	Mar-97 Mar-98 Dec-98	Nov-97 Oct-98 Oct-99	40 27 38	38 88	YES	- 49	
Gas Particulate Filter Unit (GPFU) FY97 FY98 FY99	Industrial Design Labs Chula Vista, CA	C/FP M(2) C/FP M(3) C/FP M(4)	C/FP M(2) TACOM/ACALA C/FP M(3) TACOM/ACALA C/FP M(4) TACOM/ACALA	Nov-96 Nov-97 Nov-98	Oct-97 Oct-98 Oct-99	40 27 38	N N N	YES	-	
M58 Application Kit FY97 FY98 FY99	Anniston Army Depot, Alabama Anniston Army Depot, Alabama Anniston Army Depot, Alabama	DMWR DMWR DMWR	CBDCOM	Dec-96 Dec-97 Dec-98	Oct-97 Oct-98 Oct-99	40 27 38	33	YES		
M58 System Conversion FY97 FY98 FY99	Anniston Army Depot, Alabama Anniston Army Depot, Alabama Anniston Army Depot, Alabama	DMWR DMWR DMWR	сврсом сврсом сврсом	Nov-97 Nov-98 Nov-99	Mar-98 Dec-98 Jan-00	40 27 38	t 4 8 7	YES		
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*The smoke generator components contract was awarded as the 2nd year of the M56 multi-year contract.
**The Commander's Display was added in FY97. Re-negotiated onto Texas Instruments contract for FY96 and FY97 quantities/costs. REMARKS:

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Application Army Donot	1	. 6.	8	<u>,</u>	S		-		DECIDENCE		T		,	+	√ -			2 2	\dagger		2 5	Ē	oduce	the ME	8 syst	en. P.	produce the M58 system. Production	Ę
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Exhibit P-21, Production Schedule

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	tion Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomenclature:	re:					
ОТН	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					гт уен ов	LT VEH OBSCURANT SMK SYS (G70700)	(670700)		
Program Elements for Code B Items:	7.6			Code:	Other Related Program Elements:	am Elements:						
	,			٧					•			
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					486	2363	929					3778
Gross Cost	0.0	0.0	0.0	0.0	2.1	4.6	2.2	0.0	0.0	0.0	0.0	8.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	2.1	4.6	2.2	0.0	0.0	0.0	0.0	8.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	2.1	4.6	2.2	0.0	0.0	0.0	0.0	8.9
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

HMMWV used by the Military Police respectively. LVOSS components are integrated as a complete system, and operated from within the vehicle via the A/FU. The host equipped HMMWV (M966). The M305 AND M310 Installation Kits mount the A/FU, wiring harness, and four M7 dischargers to the M1025 series HMMWV and M1114 consists of the M7 Lightweight Discharger and either a M304/M305/M310 Installation Kit. The M7 Discharger is made from a light weight material (Xenoy) and has four launch tubes capable of firing grenades in a sixty degree arc. The installation kits contain an arming and firing unit (A/FU), wiring harness and the hardware needed to The Light Vehicle Obscurant Smoke System (LVOSS) is a self-defense smoke/obscurant device externally mounted on the vehicle. Potential threats to U.S. areas of electromagnetic spectrum. LVOSS enhances the survivability of the vehicle and is employed when the vehicle position is compromised. LVOSS launcher hardware mount the A/FU, wiring harness and M7 Discharger(s). The M304 Installation Kit is compatible with the Infantry Tube-launched Optical-tracked Wire-guided (TOW) interest and national security exist in every region of the world. LVOSS counters threat weapon systems operating in the visual and near infrared portions of the vehicle will retain its combat load and operational capabilities in mobility, firepower and communications when configured with the LVOSS.

JUSTIFICATION:

FY99 funds provide obscuration smoke capabilities for concealment of light vehicles when operating in a hostile environment. LVOSS will operate in support of Infantry and Military Police units. The FY99 program supports complete fielding of Force Package (FP) 1 and 2, and initiates fielding into FP-3. **Budget Item Justification Sheet**

Exhibit P-40,

bit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity	//Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature;			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PHOCU	HEMEN! / 3 Equipment	OTHER PHOCOREMENT / 3 / Other Support Equipment		LIVEHO	LT VEH OBSCURANT SMK SYS (G70700)	(SYS (G70700)				Febr	February 1998
OPA	QI		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ģ	UnitCost
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Launchers (M7 Dischargers and M304/M305/M310 Installation Kits)	<			İ				724	486	-	3639	2363	2
Production Verification Test (PVT)								300					
Engineering Support								1090			994		
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TOTAL								2114			4633		
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Exhibit P-5, Weapon System Cost Analysis

									Date:		
		Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					ŧL.	February 1998	86
Appropriation / E	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
ОТНЕВ	OTHER PROCUREMENT / 3 / Other Support Equipment						LT VEH O	LT VEH OBSCURANT SMK SYS (G70700)	SYS (G707	(00	
WBS Cost Elements:	ints:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	ì
LAUNCHERS FY 98 FY 99	LAUNCHERS AND INSTALLATION KITS FY 98 FY 99	Centech Gp, Inc, Alexandria, VA Centech Gp, Inc, Alexandria, VA	SS/FFP* Option	СВОСОМ	Jan-98 Nov-98		486 2363	+ 2		###	
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REMARKS:	*Award via 8(a) set aside using alpha contracting method.	intracting method.									

Item No. 120 Page 3 of 5 14



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FY 1998 / FY 1999 BUDGET PRODUCTION SCHEDULE			႘	ERS																									GP, II						
Ē				LAUNCHERS AND INSTALLATION KITS																									CENTECH GP, INC., ALEXANDRIA, VA						
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Item No. 120 Page 5 of 5 16

Exhibit P-21, Production Schedule

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Seriaf No:	af No:					P-1 Item Nomenclature:	re:					
EO.	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support	Equipment		-			eg let	RIBBON BRIDGE (MA8890)	(06		
Program Elements for Code B ttems:	: <u>;</u>			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	268.5	0.0	4.1	4.4	4.1	8.8	12.3	14.7	26.7	31.4	0.0	375.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	268.5	0.0	4.1	4.4	4.1	8.8	12.3	14.7	26.7	31.4	0.0	375.1
Initial Spares												
Total Proc Cost	268.5	0.0	4.1	4.4	4.1	8.8	12.3	14.7	26.7	31.4	0.0	375.1
Flyaway U/C												
Wpn Sys Proc U/C							-					
				- (00000F4)	c	(000001) -101-1-1-1F-0 (00001)	-:4	.0.4.	F 10000	1	T (000001)	

DESCRIPTION: The Ribbon Bridge consists of Interior Bays (M26600), Ramp Bays (M26700), Bridge Erection Boats (M23600), and Transporters (M26800). These components are required to transport, launch, erect and retrieve a floating bridge up to 200 meters long per bridge company. Ribbon Bridges have a Military Load Capacity (MLC) of 70 tons and are used to transport weapon systems, troops and supplies over water when permanent bridges are not available. JUSTIFICATION: FY 99 continues the procurement of the common Bridge Transporter (CBT), with associated Bridge Adaptor Pallets (BAPs) and Improved Boat Cradles (IBC) which began in FY 96. The Ribbon Bridge provides the capability for a continuous floating roadway or raft to be constructed for transporting assault and tactical vehicles across streams and rivers that cannot be forded. Improvements provide a vehicle that will replace the current overaged fleet with a vehicle that will improve mobility and enhance readiness by decreasing construction and retrieval time.

49 47

Quality Assurance Support

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Documentation

3. Testing

4059

TOTAL

was completed Sep 97 and Milestone III and TC-STD decision for CBT, BAP, and IBC planned for Mar 98.

1. Production Verification Test (PVT)

Notes:

10. Federal Retail Excise Tax (FRET)

9. Project Mgmt Support 8. Engineering Support

7. Fielding Support

6. Special Tools

2. P5 for SSN M26800 shows current affordable quantities and may differ from quantities shown on P1/P40.

Neapon System Type

2-1 Line Item Nomenclature:

Appropriation/ Budget Activity/Serial No:

OPA Cost Analysis

Exhibit P-5, Weapon

TotalCost

CO 흳

Cost Elements

OPA

3419 102 300

В

Common Bridge Transporter

Vehicle

Bridge Adaptor Pallet Boat Cradle

3821 33 28 8

2. Engineering Changes

SUBTOTAL

Exhibit	Exhibit P-5a, Budget Procurement H	listory ar	urement History and Planning					Date:	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					B	RIDGE, FLOA	BRIDGE, FLOAT-RIBBON, TRANSPORTER (M26800)	SPORTER ((M26800)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Common Bridge Transporter		1-								
FY 96	Combined Bridge Team	SS/FFP	TACOM	Dec-96	Oct-97	4	78	Yes		N/A
FY 97	Combined Bridge Team	Option	TACOM	Oct-97	36-Inc	22	62	Yes		N/A
FY 98	Combined Bridge Team	Option	TACOM	May-98	Jan-99	33	44			N/A
FY 99	TBS	C/FFP	TACOM	Dec-98	Ang-99	99	46			Jul-98
Bridge Adaptor Pallet	:				;	•		:		
FY 96	Combined Bridge Team		TACOM	Dec-96	Aug-98	7	51	Yes		۷ 2
FY97	Combined Bridge Team		TACOM	Dec-96	Oct-97	-	48			۷ X
FY 97	Combined Bridge Team	_	TACOM	Oct-97	Aug-98	40	48			Z V V
FY 98	Combined Bridge Team		TACOM	May-98	May-99	9	54			Z V
FY 99	TBS	C/FFP	TACOM	Dec-98	Aug-99	9	26		*****	Jul-98
								•,		
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REMARKS: Combined Bridge Team is located in Alexandria, VA.	dexandria, VA.									

	5			L			P-1 ∓	P-1 Item Nomenclature:	menck	ature:										<u>~</u>	Date:							
TI 36/39 BODGET LUCDOCITON SCHEDOLE	<u></u>			ונ						BHIDGE, FLOAT-HIBBON, THANSPORTER (MZ6800)	CAL	1880	HA.	NSPO	TER (M2680	١	ı	١	┨				Februa	February 1998	_		7
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Item No. 121 Page 4 of 5 20

EV 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTION	SCH	EDUL	111		<u>d</u>	P-1 Item Nomenclature:	Jomena	enclature: BRIDGF FLOAT-BIRBON TRANSPORTER (M26800)	OAT-B	i San	THANS	PORTE	. W26	(00			<u> </u>	Date:			Fohris	Fohrugay 1008		
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	MIN.		1-8-5		MAX.	+ 0	г	INITIAL						4	L	=			15	¥ A	P is the	firstye	BAP is the first year of a competitive 5	compel	itive 5
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		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			O de e.		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ē.					
ŧIO	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support	Equipment					METALLIC MINE DETECTOR, VEHICLE MOUNTED (M80100)	TECTOR, VEHICLE A	AOUNTED (M80100		
Program Elements for Code B Items:	.;s			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					7	2						6
Gross Cost	0.0	0.0	0.0	0.0	12.3	3.8	0.0	0.0	0.0	0.0	0.0	16.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0:0	0:0	0.0	12.3	3.8	0.0	0.0	0.0	0.0	0.0	16.1
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	12.3	3.8	0.0	0.0	0.0	0.0	0.0	16.1
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION												

IVMMD will be fielded to selected units as an interim system for use in other than war operations where U.S. troops may be involved. It significantly reduces the exposure of soldiers to hostile fire and greatly increases route clearance missions in all tactical environments over hand held systems. gives the Army critical capabilities to conduct route clearing missions in wartime, stabilization operations and humanitarian/peacekeeping missions. The system will allow U.S. Forces to maintain mobility along critical routes of communications. The IVMMD is the first vehicle mounted mine detection system fielded by the U.S. Army. The The Interim Vehicle Mounted Mine Detection System (IVMMD) provides the U.S.Army with the capabilitry to detect metal cased antitank mines on routes. The system

JUSTIFICATION: FY1999 funds will procure Mine Detection Systems and Remote Control Kits and provide for their installation to host platforms.

Exhibit P-5, Weapon	₹ 0	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Su	get Activity/S	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Iten	P-1 Line Item Nomenclature: METALLIC MINE DETECTOR, VEHICLE	OR VEHICLE		Weapon System Type:		Date: Februs	February 1998
			Equipment				MOUNTED (M80100)	100)				on ion	9 1330
7	۵		FY 96			FY 97			FY 98			FY 99	
CD		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ξ	UnitCost
⋖	-	\$000	Each	000\$	000\$	Each	000\$	0086 000\$	Each 7	\$000 1400	\$000 2910	Each 2	\$000 1455
2. REMOTE CONTROL KIT FOR PLATFORM 3. REFURBISHMENT 4. PROJECT MANAGEMENT 5. ENGINEERING SUPPORT 6. DOCUMENTATION 7. QUALITY ASSURANCE 8. ACCEPTANCE TESTING	⋖							1050 425 120 577 73 73 75		150	300 30 525 10	N	150
								12281			3775		-
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Item No. 122 Page 3 of 5

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	Exhibit r-5a, budget rrocurement history and riaming	nistory a	nu rianning •					ĭ	February 1998	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					META	LLIC MINE DI	METALLIC MINE DETECTOR, VEHICLE MOUNTED (MB0100)	LE MOUNT	ED (M8010	(0)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	νтο	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. MINE DETECTION SYSTEM FY 98	LNY, Manassas, Va.	Option	CECOM	Mar-98	Jul-98	7	1400			
FY 99	LNY, Manassas, Va.	Option	CECOM	Nov-98	Mar-99	S	1455	Yes		
2. REMOTE CONTROL KIT FOR PLATFORM FY 98	Omni Tech Denver Co	SS/FD	VSU-Odi.	Mar.98	86-1-1	7	150			
FY 99	Omni Tech, Denver Co.	Option	JPO-UGV	Nov-98	Mar-99	. (1	150	Yes		
REMARKS: Installation of Remote Control Kits to	Installation of Remote Control Kits to host platform will be conducted at the detector delivery site and operationally tested prior to systems delivery to the field	detector del	ivery site and operationally te	sted prior to	systems	delivery to	the field.			

Installation of Remote Control Kits to host platform will be conducted at the detector delivery site and operationally tested prior to systems delivery to the field. Joint Project Office-Unmanned Ground Vehicles (JPO-UGV) will oversee the development and testing of remote control kits prior to and during operational testing.

Page 4 of 5	
122	22
Item No.	

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	C	JS NOI	HEDI	E E			_	-1 lter	P-1 Item Nomenclature: METALLIC MINE	TALL	Iomenclature: METALLIC MINE DETECTOR VEHICLE MOUNTED (M80100)	DETE	CTOF	YEH	CLEA	INDO	ED (M	80100				Date:			ű	phrian	February 1998		
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Item No. 122 Page 5 of 5 26

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	Ex	hibit P-40,	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et		Date:		February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Suppor	t Equipment					BNCOU	BN COUNTERMINE SIP (X01100)	X01100)		
Program Elements for Code B Items:) Items:			Code:	Other Related Program Elements:	gram Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete Total Prog	Total Prog
Proc Qty										$\overline{}$		
Gross Cost	0.0	0:0	0.0	0.0	3.3	3.7	18.3	7.7	0.0	0.0	0.0	32.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0:0	0.0	0.0	3.3	3.7	18.3	7.7	0.0	0.0	0.0	32.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	3.3	3.7	18.3	7.7	0.0	0:0	0.0	32.9
Flyaway U/C												
Wpn Sys Proc U/C												
		:		 								

improvements, travel lock upgrades, strengthened moldboard extensions, a plowing level indicator, a centerline deflector kit, and a wire cutter kit; DESCRIPTION: This funding provides for the procurement, application, and fielding costs for the System Improvement Plan Kit for the Battalion inprovements to the M1 Mine Clearing Roller System including an improved quick release system, a simplified magnetic dogbone assembly, and Countermine Set used on M1 Series tanks. This kit includes: changes to the M1 Mine Clearing Blade System including wiring harness a soft soil/sand kit; and a complete redesign of a cleared lane minefield marking system.

strengthened moldboard extensions, and the roller quick release system have been flagged as safety issues. The improvements comprising this addressed. Failures in any of these components would not only result in mission failure but could result in catastrophic damage to the host vehicle and injury/death to the vehicle's crew. All other changes (i.e. level indicators, centerline deflectors, wire cutters, magnetic dogbone kit are the result of afteraction reports following Operation Desert Storm. Numerous safety issues as well as mission reliability have been JUSTIFICATION: FY99 funds will support improvements such as the blade's wiring harness, the travel lock upgrades to the blade, the simplification, soft soil/sand kit) will enhance mission capability and reliability.

Exhibit P-40	Exhibit P-40M Budget Item Justification Sheet	em Justif	ication She	et		Date		February 1998		
Appropriation / Budget Activity/Serial No.				P-1 Item Nomenctature	ıture					
OTHER PROCUREMENT / 3 / Other Support Equipment	port Equipment	- 1				BN COU	BN COUNTERMINE SIP (X01100)	X01100)		
Program Elements for Code B Items		Code	Other Related Program Elements	gram Elements						
Description	Fiscal Years	S								
OSIP NO. Classification	1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	107	Total
atte	ot Kit							3		
1-96-05-XXXX OP	0.0	0.0	3.3	3.7	18.3	7.7	0.0	0.0	0.0	32.9
Totals	0.0	0.0	3.3	3.7	18.3	7.7	0.0	0.0	0.0	32.9

Modification	
Individual	
Exhibit P-3a	

					NDIVID	UAL M	INDIVIDUAL MODIFICATION	ATION						Date		February 1998	1998	Γ
MODIFICATION TITL! COUNT	NOO IT	TERM	ERMINE BATTALION SET IMPROVEMENT KIT 1-96-05-XXXX	ATTA	NOI	SET	MPRO	VEME	ENT K	IT 1-9	6-05-	XX						
MODELS OF SYSTEMS AFFEC	EMS AFFE	C Battal	Battalion Countermine Set for use on M1 Series tanks	ntermin	e Set fe	or use (on M1 S	eries ta	ınks									
DESCRIPTION / JUSTIFICATION:	STIFICATI	:: O																
Procurement, application, and fielding of the System Improvement Plan Kit to the Battalion Countermine Set used on M1	application	on, and	fieldir of tho	ng of the	he Sy:	stem I	mprov	emen.	t Plan	Kit to	the B	attalion	n Cour	ntermir	ne Set	nsed o	on M1	
Mine Clearing Blade Syst	Blade Sy		ncludir	g wiri	ng ha	rness	impro	vemer	opera Its, tre	ivel lo	čk up(grades	testation in the arientation reports following Operation Desert Storm, includes. Chariges to the MT tem including wiring harness improvements, travel lock upgrades strengthened moldboard	tes. c ythene	riariye d molc	s to till Iboard	_ ≥ D _	
extension, the addition of kit: improvements to the	addition nts to the		owing I	level ii earing	ndicat Bolle	or, the	e addit tem ing	ion of	a cen	terline	edefle	ctor kii ick rele	is a plowing level indicator, the addition of a centerline deflector kit, and the addition of a wire cutter. M1 Mine Clearing Roller System including an improved quick release system, a simplified.	the adver	dition o	of a wil	re cutt	ter
magnetic dogbone assen	one asse	embly,	and th	e add	ition o	faso	ft soil/	sand k	dt; and	Jaco	mplete	e rede	nbly, and the addition of a soft soil/sand kit; and a complete redesign of a cleared lane minefield	a clea	ared la	ne min	nefield	
marking system. These or damage as well as injury	n. These II as injui	e chang y or de	changes will enhance set and missic or death to the crew of said vehicle.	ll enhi the cr	ance s rew of	et an	d miss vehicle	ion rel	lability	/ and	reduc	e the p	changes will enhance set and mission reliability and reduce the possiblility of host vehicle or death to the crew of said vehicle.	lity of	host ve	əhicle		
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:	ratus/M	AJOR D	EVELOI	PMENT	MILES	TONE	S:					Planned	p		Acco	Accomplished	eq	
Technical Data Package	Package		(TDP) Validation and Certification	ation (and C	ertifica	ation				Sep-97	76			Sep-97	26		
Award Contract for Modification (MOD) Kits	for Mod	ificatio	OW)	U) Kits	~					⋖	Apr-98				-			
First MOD Kit Delivered	elivered									٦	Jun-98							
First Unit Equipped	bed									Jur	Jun-98							
Last MOD Kit Delivered	elivered									ŏ	Oct-00							
Last Unit Equipped	ped									Se	Sep-01							
Installation Schedule:	:e																	
	Pr Yr	FΥ	FY 1997			FY 1998	8	Ц	Łλ.	FY 1999			FY 2000			FY 2001	901	
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Inputs																		3900
Outputs	150						\dashv					-		_				3900
METHOD OF IMPLEMENTATIC	EMENTATI		Contract/Depot Fal ADMINISTRATIVE LEADTIME:	ot Fal A	DMINE	STRATI	VE LEA	DTIME	6	Months		PRODUC	Ĕ	EADTII	7	Months		
Delivery Date:		FY 1997	97			<u> </u>	FY 1998 FY 1998	Apr 1998 Jun 1998	866 998			FY 1999 FY 1999		Oct 1998 Dec 1998				
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				ND ND	DUAL	MODIF	INDIVIDUAL MODIFICATION	z						Date		Febru	February 1998	
MODIFICATION TITLE (Cont):	S	OUNTERMINE BATTALION SET IMPROVEMENT KIT 1-96-05-XXXX	FRMII	VE BA	TTAL	SNOI	ET IN	IPROV	ÆME!	N K	T 1-96	3-05-X	XX					
FINANCIAL PLAN: (\$ in Millions)	ns) FY 1996																	
	9	FY 1997	66,	FY 1998	H	FY 1999	H	8	H	X	H	8	H	X		2	TOTAL	IAL
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PROCUREMENT					-													
Kit Quantity				1250	1.7	1200	3.7	1250 1	16.6	200	5.1			••			3900	27.0
Installation Kits																		
Installation Kits, Nonrecurring	6																	
Equipment																		
Equipment, Nonrecurring									•									
Engineering Change Orders													·					
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raining Equipment																		
Other	**************************************													-				
Interim Contractor Support																		
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Installation of Hardware																		
FY 1996 & Prior Eapt Kits	ţ																	
FY 1997 Eapt Kits																		
EV 1998 Fant Kits				0	4	450											1250	-
FY 1999 Eqpt Kits				}	?	009		009						···-			1200	
FY 2000 Eapt kits								009	1.7	650	1.7						1250	
FY 2001 Egpt kits											60						200	0.9
FY 2002 Eqpt kits											}							
FY 2003 Eqpt kits																		
TC Equip-Kits																		
Total Installment				800		1050	1	1200	1.7	850	2.6						3900	
Total Procurement Cost				-	3.3	L	3.7		18.3		7.7	_						32.9

Exhibit P-40,	Justification Sheet
	ftem
	Budget

								Date:				
Y		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	No:					P-1 Item Nomenclature:	ře:					
-TO	HER PROCUREMEN	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					ARMORED C	ARMORED COMBAT EARTHMOVER (M05900)	EH (M05900)		
Program Elements for Code B Items:	:6			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	467			51								518
Gross Cost	284.0	0.0	0.0	51.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	335.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	284.0	0.0	0:0	51.0	0:0	0.0	0.0	0.0	0.0	0.0	0.0	335.0
Initial Spares												
Total Proc Cost	284.0	0.0	0.0	51.0	0.0	0.0	0.0	0:0	0.0	0.0	0.0	335.0
Flyaway U/C												
Wpn Sys Proc U/C												
Description: The M9 Armored Combat Earthmover (ACE) is a	Armored Co	mhat Earthr	Over (ACE)		phile high en	pod tracked	or poromic	mhot couthm	to oit	trancadah	lighly mobile high eneed freezest armored combat conthuming. It is air transmitable in C130, C141	144 000

Description: The M9 Armored Combat Earthmover (ACE) is a highly mobile, high speed, tracked, armored combat earthmover. It is air transportable in C130, C141, and C5 aircraft. It provides light armor and chemical protection for the operator and armor protection for the engine and power train. The M9 provides the unique capability to travel at high speeds while retaining the capability for heavy digging. It has been provided to combat engineers and engineer support units. Its primary use is to support maneuver forces by digging survivable fighting positions for tank, infantry, and artillery units and create anti-tank ditches for obstacles.

Item No. 124 Page 2 of 5

Exhibit P-5, Weapon System Cost Analysis

	Exhibit	Exhibit P-5a, Budget Procurement H	listory ar	urement History and Planning						February 1998	
Appropriation / Budget Activity/Serial No:	ıl No:		Weapon System Type:	m Îype:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT/	OTHER PROCUREMENT/3/Other Support Equipment						ARMORED C	ARMORED COMBAT EARTHMOVER (M05900)	OVER (MO	(0069	
WBS Cost Elements:		Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs	Date R Revsn	AFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	-	Avail	
1. Hardware FY 97		United Defense LP, York, PA.	SS/FP	TACOM	Sep-97	May-99	51	887	YES	A/N	
REMARKS: Award date	Award date SEP 97 due to late receipt of funds (Jun 97).	of funds (Jun 97).									

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Item No. 124 Page 4 of 5 34

Exhibit P-21, Production Schedule

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	DUC	JON SC	HEDU	H H			<u>-</u>	P-1 Item Nomenclature: ARMOR	omencl ▲	clature: ARMORED COMBAT EARTHMOVER (M05900)	S CO	MBATI	ARTH	MOVE	H (M05	(006				Date:	. <u>:</u>			Februs	February 1998	88		
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	Ä	Exhibit P-40, Budget Item Justification Sheet	Budget It	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Suppor	l Equipment				AIA	CONDITIONERS	AIR CONDITIONERS VARIOUS SIZE/CAPACITY (MF9300)	SAPACITY (MF93	(00	
Program Elements for Code B Items:	I ltems:			Code:	Other Related Program Elements:	ogram Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2003 To Complete Total Prog	Total Prog
Proc Oty												
Gross Cost	233.9	3.8	3.1	1.5	1.4	4.7	4.5	4.6	1.4	7.1		265.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	233.9	3.8	3.1	1.5	1.4	4.7	4.5	4.6	1.4	7.1		265.9
Initial Spares												
Total Proc Cost	233.9	3.8	3.1	1.5	1.4	4.7	4.5	4.6	1.4	7.1		265.9
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: This budget line represents the Army's family of factical Environmental Control Units. (ECU's), commonly known as Air	This hudge	line renres	ents the A	rmv's famil	v of tactica	I Fuvironm	ental Contr	Huits (F	Cil's) con	monly kno	wn as Air	

number (LIN) involved. The sole exception, which will not incorporate MPI technology, is the 60,000 BTU, Compact Vertical, which remains as a 3 Phase, 208 Volts, 50/60 hertz power requirement. All ECU's are based mounted and electric motor driven. ECU's also provide dehumidification and filtering of air in support of environmentally sensitive electronic equipment in mobile shelters and vans. Critical electronic equipment housed configurations managed; for example, a single MPI unit now replaces from two to six different configurations depending on the specific line item Conditioners (A/C's). ECU's provide both cooling and electrical heating for controlled environmental concept. They range in size from 9,000 to support equipment, satellite communications, intelligence gathering systems, petroleum and water logistics laboratories, electronic shop sets, hardwired into existing facilities. New technology has been incorporated into the 18,000 BTU and 36,000 BTU that allows the ECU to accept 60,000 BTU, and are powered by a wide range of common currents supplied for various systems either by mobile electric power systems or systems. The majority of the weapon systems are command, control, and communication oriented. The other applications include ground within systems produces heat that must be controlled for proper operation of this equipment. ECU's support 181 separate tactical weapon DESCHIPTION: This budget line represents the Army's tamily of tactical Environmental Control Units, (ECU S), commonly known as All various power phases, voltages, and hertz. The Multiple-Power-Input (MPI) Technology has allowed for a reduction in the number of Test, Measurement and Diagnostic Equipment (TMDE), aviation shop sets, and topographic support sets.

nonsupportable, and nonrepairable. ECU's are critical to the system they support. Without these ECU's, critical systems become incapable of JUSTIFICATION: FY99 funds will support Environmental Control Units (ECUs) that are required as a component or separately authorized in support of fielded tactical weapon systems. They are required to fill existing shortage or provide replacements for assets that are overaged, performing their mission. Additionally, ECU's are required to fill urgent shortages on new fielding of high priority weapon systems. Recent

Exhibit P-40C Budget Item Justification Sheet

bit P-5,		Appropriation/ Budget Activity/Serial No OTHER PROCLIBEMENT / 3 / Other	udget Ac	Appropriation/ Budget Activity/Serial No: OTHER PROCLIBEMENT / 3 / Other		P-1 Line It.	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
OFA COST Atlanysis		Supp	Support Equipment	ment		SIZE	SIZE/CAPACITY (MF9300)	MF9300)					recidary 1990
	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ģ	UnitCost
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Air Conditioner, 9000 BTU C/V (M910) Warranty	∢				140	52	ဖ	140	22	9	280	20	9
Air Conditioner, 9000 BTU C/H (M916) Warranty	∢				940	150	9	840 16	150	9	1680 33	300	φ
Air Conditioner, 36000 BTU C/V (MB13) Warranty	٧	267	35	ω							445	20	6
Air Conditioner, 36000 BTU C/H (M811) Warranty	٧	1897	311	9							1335 15	150	6
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TOTAL		3083			1461			1433			4650		
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Item No. 126 Page 3 of 7 38

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory an	nd Planning					Date:	February 1998	\$
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					AIR	CONDITIONEF	AIR CONDITIONERS VARIOUS SIZE/CAPACITY (MF9300)	CAPACIT	Y (MF9300	,
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FY 98	TBS	C/FP-RQ-3(2) CECOM	CECOM	Apr-98	Jan-01	52	9	YES		Feb-98
FY 99	TBS	C/FP-RQ-3(3) CECOM	CECOM	96-unc	Feb-00	20	9	YES		Feb-98
Air Conditioner, 9000 BTU C/H (M916)										
FY 97	TBS		СЕСОМ	Apr-98	96-Inc	150	9	YES		
FY 98	TBS	C/FP-RQ-3(2)	CECOM	Apr-98	Jan-00	150	9	YES	_	Feb-98
FY 99	TBS	C/FP-RQ-3(3)	CECOM	Apr-99	Apr-00	300	9	YES		Feb-98
Air Conditionar 36000 BTH CW (M813)										
FY 99	TBS	C/FP-RQ-3(1) CECOM	CECOM	May-99	Nov-00	20	6	YES		Dec-98
Air Conditioner, 36000 BTU C/H (M811)	\ \ \ \				3	Ç L	•			ć
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Item No. 126 Page 7 of 7 42

		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
OTHI	OTHER PROCUREMENT/OTHER SUPPORT EQUIPMENT	OTHER SUPPORT E	QUIPMENT					KITCHEN, CON	KITCHEN, CONTAINERIZED, FIELD (CK) (M86400)	(CK) (M86400)		
Program Elements for Code B Items:	Š:			Code:	Other Related Program Elements:	am Elements:						
	604713			m								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						7.7	75	92	61	108		397
Gross Cost	0.0	0.0	0.0	0.0	0.0	7.4	7.2	7.2	5.8	10.4		38.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	7.4	7.2	7.2	5.8	10.4		38.0
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	7.4	7.2	7.2	5.8	10.4	0.0	38.0
Flyaway U/C												
Wpn Sys Proc U/C												
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towed by a 5-ton Family of Medium Tactical Vehicles (FMTV) cargo truck. It will include electrical power from an on-board generator, and an environmental control unit for combination of existing military standard kitchen equipment and commercial components integrated into an expandable 20' container mounted on a tactical trailer and DESCRIPTION: The Containerized Kitchen (CK) is a mobile field kitchen capable of providing 550 soldiers with three hot meals per day. The CK will consist of a heating and cooling.

JUSTIFICATION: The CK is needed to replace overage Mobile Kitchen Trailers (MKT), first fielded in 1975, which do not have the capability to support current Army field feeding doctrine. The CK will have more than twice the capacity of the MKT and will replace the MKT on a one-for-two basis, enabling more efficient ration preparation. The CK will also provide improved safety and efficiency, more comfortable and sanitary working environment, and electrical power and running water utilities.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:		-	Weapon System Type:		Date:	
WPN SYST Cost Analysis		OTHER PROCUREMENT/OTHER SUPPORT EQUIPMENT	REMENT/O	THER SUPPORT		KITCH	KITCHEN, CONTAINERIZED, FIELD	ZED, FIELD				Febr	February 1998
Weapon System			FY 96			FY 97	(20-20-1)		FY 98			FY 99	
Cost Elements	8	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q y	UnitCost	TotalCost	òţō	UnitCost
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Hardware											5920	74	80
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Engineering Support											233	•	
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Total											7435		
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Item No. 127 Page 2 of 4 44

Exhibit P-5, Weapon System Cost Analysis

Exhibit	Exhibit P-5a Budget Procurement History and Planning	listory an	d Planning					Date: Fe	February 1998	
Appropriation / Budget Activity/Social No:	6-1-1	Weapon System Tyne	Tune		A mollouil to	0 4 Line Hom Momonafatures			on fund	T
OTHER PROCUREMENT/OTHER SUPPORT EQUIPMENT				-	- i Line item r	KITCHEN, O	omenciature: KITCHEN, CONTAINERIZED, FIELD (M86400)	FLD (M86	400)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	OTV	Unit Cost	Specs Avail	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000			
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REMARKS:	<u>.</u>									

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Item No. 127 Page 4 of 4 46

Exhibit P-21, Production Schedule

			1	:				Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	tem Justific	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 fem Nomenclature:	re;					
ОТНЕ	OTHER PROCUREMENT/3/OTHER SUPPORT EQUIPMENT	OTHER SUPPORT	EQUIPMENT					Sanitation	Sanitation Center, Field Feeding (M66500)	(M66500)		
Program Elements for Code B Items:	ıs:			Code:	Other Related Program Elements:	am Elements:						
		0604713A		80								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			52	55		64	54	150	150	534		1059
Gross Cost	0.0	1.4	0.7	0.7	0:0	1.4	0.7	1.9	1.9	6.6	0:0	15.2
Less PY Adv Proc												
Plus CY Adv Proc			1.4									1.4
Net Proc (P-1)	0.0	1.4	0.7	0.7	0.0	1.4	0.7	1.9	1.9	6.6	0.0	15.3
Initial Spares												
Total Proc Cost	0.0	1.4	0.7	0.7	0.0	1.4	0.7	1.9	1.9	6.6	0.0	15.3
Flyaway U/C												
Wpn Sys Proc U/C												

NARRATIVE: Food Sanitation Center consists of a tent, dishwashing racks, sinkwells, drying racks, pot storage racks and burner units. It is used by Field Services Companies to clean and sanitize cooking utensils as part of Army Field Feeding Services.

JUSTIFICATION: FY99 funding required for use in the Army Field Feeding System - Future, Containerized Kitchen, DEPMEDS, Force Provider and all other Army Field Feeding operations.

Exhibit P-5, Weapon	V	Appropriation/ Budget Activity/Serial No:	iget Activity/s	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
WPN SYST Cost Analysis	<u> </u>	OTHER PROCUREMENT /OTHER SUPPORT EQUIPMENT	JREMENT /OTH	HER SUPPORT		Sanit	Sanitation Center, Field Feeding	d Feeding					February 1998
Weapon System	₽		FY 96			FY 97			EV OB			50 EV 90	
Cost Elements	8	TotalCost	Q Ç	UnitCost	TotalCost	Q Şţ	UnitCost	TotalCost	λg	UnitCost	TotalCost	ê è	UnitCost
	Ħ	\$000	Each	000\$	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware		685	52	5	664	55	12				834		13
Engineering Support											150		
Testing											100		
Logistics	-										130		
Quality Assurance		•									150		
TOTAL		685			664						1364		
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Item No. 128 Page 2 of 4 48

Exhibit P-5, Weapon System Cost Analysis

Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning		:			Date: F	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Jomenclature:				
OTHER PROCOREMENT/OTHER SUPPORT EQUIPMENT						Sanit	Sanitation Center, Field Feeding	l Feeding		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	γTΩ	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?		
Hardware										
FY96	Penn Metals, PA	C/FP	SSCOM	Jan-96	96-unf	25	13			Jun-95
	TBD		SSCOM	Jan-97 Jan-99	Mar-97 Jun-99	92	<u> </u>	>>	4 4 2 2	N/A Jun-98
REMARKS:										

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Item No. 128 Page 4 of 4 50

Exhibit P-21, Production Schedule

	FY 2002 FY 2003 To Complet Total Prog	45 45 180	15.0 15.0 0.0 202.2			15.0 15.0 0.0 202.2		15.0 15.0 0.0 202.2			DESCRIPTION: These vehicles are of standard commercial design with only slight modifications. This vehicle includes Pumper Trucks, Structural Pumpers, Ladder Trucks, Brush Trucks, Rescue Trucks, Telesquirt Trucks, Brush Tankers, and Multi-purpose fire trucks.	JUSTIFICATION: The Army's Fire Fighting Vehicles are essential to all military installations and to many local communities. These vehicles are essential to preserving life and property. The fleet is currently approximately 22% below Army Acquisition Objective levels with 55% of the on-hand vehicles overaged. Many of these overaged vehicles are unsafe, unable to respond to fire calls, and uneconomical to repair. The current condition of the fleet creates a situation in which a disaster could easily occur. Besides the dangerous situation that this creates for Army installations, it also violates many of our mutual support agreements that many Army installations have in effect with their local communities. Our Army fire vehicles not only respond to fires on installations and within the local communities, but also to forest fires, airline disasters, train disasters, automobile accidents, and hazardous material incidents. Without these fire vehicles we put the lives of our soldiers, our dependents, our civilian work force, and the local community in danger. The Army cannot afford to continue to "waste" limited resources on maintenance and repair of these old, unsafe fire vehicles. Lives are in jeopardy. The following vehicles will purchased: Ladder Truck (A. 920) Structural Pumper (B. 91.350)
	FY 2001 F	45	15.0			15.0		15.0			ght modifica ks, Telesqu	/ installations uty approxim of these ove on of the flee or Army instant their local content local content local content local content local content local content and these fire unger. The A ehicles. Live Amt
nts:	FY 2000		0.0			0.0		0.0			th only sli scue Truc	Il military in its currently is currently is currently of trondition to condition in condition in dang afe fire veh the fi
Other Related Program Elements:	FY 1999	45	15.0			15.0		15.0			design wi ucks, Re	Intial to all The fleet in overaged he currenthat this chave in elecal collincidents incidents old, unset
Other Related F	FY 1998		0.0			0.0		0.0			nmercial Brush Tr	Vehicles are essefe and property. On-hand vehicles or initial to repair. The agerous situation the installations had within the azardous material orce, and the local and repair of these fer Truck
Code:	FY 1997		0.0			0.0		0.0			ndard con er Trucks,	my's Fire Fighting Vehicles titlat to preserving life and propersion in the on-hand calls, and uneconomical to a serides the dangerous of ments that many Army instants that many Army instants that many Army instants to fires on installations and e accidents, and hazardous our civilian work force, and on maintenance and repair on maintenance and repair lipurchased: Ladder Truck
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	FY 1995		0.0			0.0		0.0			vehicles a al Pumpe	rmy's Firn ntial to proble with 5i calls, and ur. Besid ments that to fires of a accident, our civilist on main
э В items:	Prior Years		142.2			142.2		142.2			These v Structura	A: The A are essenctive leve and to fire assily occurrent agree bort agree by respondantombiling pendents esources
Program Elements for Code B Items:	İ	Proc Qty	Gross Cost	Less PY Adv Proc	Plus CY Adv Proc	Net Proc (P-1)	Initial Spares	Total Proc Cost	Flyaway U/C	Wpn Sys Proc U/C	DESCRIPTION: These v Pumper Trucks, Structura Multi-purpose fire trucks.	JUSTIFICATION: The Arrange vehicles are essentation Objective leve unable to respond to fire disaster could easily occuour mutual support agree vehicles not only respond train disasters, automobil soldiers, our dependents, "waste" limited resources The following vehicles will

February 1998

Exhibit P-40, Budget Item Justification Sheet

OTHER PROCUREMENT / 3 / Other Support Equipment

ogram Elements for Code B Items:

opropriation / Budget Activity/Serial No:

FIRETRUCKS (MA9600)

Exhibit P-40, Budget Item Justification Sheet

Exhibit P-5, Weapon	_	Appropriation OTHER PF	/ Budgei	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 /		P-1 Line FIR	P-1 Line Item Nomenclature:	ofature:		Weapon System Type:		Date:	te: Esbansos 1000
COSt Alidiysis		Other Su	pport Eq	Other Support Equipment				(appeal				ninal	1830
	Q		FY 96			FY			FY 98			FY 99	
Cost Elements	CD	TotalCost	ģ		TotalCost	Qty	UnitCost	TotalCost		UnitCost	TotalCost		UnitCost
1. Ladder Truck 2. Structural Pumper 3. Rescue Pumper 4. Airfield Crash Truck		0000	Each	0000\$	000	Each	00 00 \$	00 00 9		OO OO \$	\$000 4920 1350 3600	18 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$000 410 225 285 400 400
Total											15000		

Item No. 129 Page 2 of 3 52

		,						Date:		
	Exhibit P-5a, Budget Procurement History and Planning	History an	d Planning					ŭ	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	omenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						4	FIRETRUCKS (MA9600)	(009		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	QTY	Unit Cost	Specs Avail	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Defivery	Each	\$000	Now?	Avail	
uck	GSA	МІРВ/FР	TACOM	Jan-99	66-Inc	12	410	YES	A A	
Structural Pumper FY99	GSA	MIPR/FP TACOM	ТАСОМ	Jan-99	96-Inf	ø	225	YES	A A	
Rescue Pumper FY99	GSA	MIPR/FP TACOM	ТАСОМ	Jan-99	96-InC	18	285	YES	Y Y	
Airfield Crash Truck FY99	GSA	MIPR/FP TACOM	TACOM	Jan-99	96-InC	o	400	YES	¥ X	
										
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		Exhibit P-4	Exhibit P-40, Budget Item	em Justifice	Justification Sheet					February 1998		-
Appropriation / Budget Activity/Serial No:	at No:					P-1 Rem Nomenclature:	re:					
±0	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support	quipment					TRUCK, FIREFIC	TRUCK, FIREFIGHTING, MULTI-PURPOSE (M15800)	POSE (M15800)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	ım Elements:						
				A								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						9	12	12	12	12		54
Gross Cost	0.0	0.0	0.0	0.0	0.0	1.7	4.2	4.3	4.5	4.7	0.0	19.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	1.7	4.2	4.3	4.5	4.7	0:0	19.4
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	1.7	4.2	4.3	4.5	4.7	0.0	19.4
Fiyaway U/C												-
Wpn Sys Proc U/C												

have a six man cab in order to carry an entire firefighting team. Also, the new tactical vehicle will have a minimum of a 1000 gallon capacity, while the current trucks have DESCRIPTION: The multi-purpose tactical fire truck is issued by Army's tactical engineer units and at some Army installations. It is primarily used to fight aircraft crash and brush fires and at ammunition storage areas in theater. The crew ranges from three to five firefighters. However, the new tactical fire truck that will be procured will only a 660 gallon capacity. The new tactical truck will have all-wheel drive rather than four wheel drive.

JUSTIFICATION: The FY99 funding will procure six fire trucks to begin filling Force Package 1 requirements. The fire trucks currently fielded are unreliable and overage. Furthermore, these trucks do not meet user needs or National Fire Protection Agency Standards. The 1000 gallon water capacity is necessary to land Air Force aircraft on Army airfields. All wheel drive is essential for cross-country mobility. Procurement of fire trucks with new specifications will provide true tactical and multi-purpose capabilities.

Item No. 130 Page 1 of 4 54

Exhibit P-40, Budget Item Justification Sheet

Exhibit P-5. Weapon	Γ	Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3 Equipment	/ Other Support		TRUCK, FIF	TRUCK, FIREFIGHTING, MULTI-PURPOSE (M15800)	JLTI-PURPOSE				Febru	February 1998
	₽		FY 96			FY 97			FY 98			FY 99	
ents	CD	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q ty	UnitCost
		000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
Hardware Government Engineering	A										1657	ιΩ	331
Quantities shown are current and may differ from P1/P40												- M	
TOTAL						10 April 10					1708		

Exhibit I	Exhibit P-5a, Budget Procurement History and Planning	listory an	nd Planning					Date:	February 1998	86
Appropriation / Budget Activity/Serial No:	,	Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					F	PUCK, FIREFI	TRUCK, FIREFIGHTING, MULTI-PURPOSE (M15800)	PURPOSE	(M15800)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	ΩTΛ	Unit Cost	Specs Avail		AFP Issue Date
riscar rears		and Type			Delivery	Each	\$000	Now?	Avail	
Hardware										
FY99	TBS	C/FP	TACOM	Jan-99	Jul-99	5	331	YES	¥ Z	Aug-98
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									7111	
REMARKS:										

Item No. 130 Page 3 of 4 56

Exhibit P-5A, Procurement History and Planning

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		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomencfature:	re:					
то	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					ARMY SPACE HE	ARMY SPACE HEATER, 120,000 BTU (ASH) (M19600)	(ASH) (M19600)		
Program Elements for Code B Items:	:8:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	714		167	258	94	110	96	66	100	629		2297
Gross Cost	2.0	2.8	1.4	2.5	6.0	1.1	6.0	1.0	1.0	6.3		19.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2.0	2.8	1.4	2.5	6.0	1.1	6.0	1.0	1.0	6.3		19.8
Initial Spares												
Total Proc Cost	2.0	2.8	1.4	2.5	6.0	1.1	6.0	1.0	1.0	6.3		19.8
Flyaway U/C												
Wpn Sys Proc U/C												
T GOTT												7

DESCRIPTION: The Army Space Heater (ASH) is electrically powered requiring a maximum of 3 kilowatts of external power. It is thermostatically controlled using either diesel or jet petroleum-8 fuels to produce heat. The ASH is mobile and will deliver clean, heated or vented air through sealed, detachable, flexible ducts. It is suitable for arctic use. The main mission of this heater is to heat maintenance tents in cold environments so that soldiers can safely repair a wide variety of equipment such as trucks, tanks, helicopters, Hawk, Patriot, and Multiple Launch Rocket Systems. Additionally, it supports field artillery and medical units. JUSTIFICATION: FY 99 funds will procure 110 Army Space Heaters to support critical mission essential Aviation, Armor, and Artillery Contingency Forces. This heater is a non-development item that will replace the current 250,000 BTU gasoline engine driven (GED) heater. It will correct the deficiencies found in the 250,000 BTU GED heater, specifically gasoline will be replaced by diesel fuel, meeting the DOD regulations to have one fuel on the battlefield. It will be safer for personnel operating equipment in enclosed areas because it reduces carbon monoxide emissions. The ASH is a stand alone item that supports the function of providing heat for maintenance, operations, and comfort.

Item No. 131 Page 1 of 6 58

Exhibit P-40,

Cost Elements to TotalCost OPA Cost Elements to TotalCost OPA HARDWARE GOVERNMENT ENGINEERING DOCUMENTATION FIRST ARTICLE TESTING TOTAL TOTAL Cost Elements to TotalCost OPA SOOO Ear 100 DOCUMENTATION FIRST ARTICLE TESTING TOTAL	Each \$000		2	(M19600)	(ASA)				Lebrus	February 1998
ARE ARE ARE ARE ARE ARE ARE ARE	FY 96									
ARE ARE NMENT ENGINEERING RATICLE TESTING A 1295 1395	Qty UnitCost Each \$000 5 167			-		FY 98			FY 99	
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Exhibit	Exhibit P-5a. Budget Procurement History and Planning	History an	d Planning					Date:	February 1998	œ
Appropriation / Budget Activity/Serial No:		Weapon System Type:	a lybe:		o 1 Line Bom	.ountelparomol			Soldery 13	
Oppropriation and generalized the control of the co		weapon system	i ype.		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PHOCUREMENT / 3 / Other Support Equipment					AF	IMY SPACE H	ARMY SPACE HEATER, 120,000 BTU (ASH) (M19600)	BTU (ASH)	(M19600)	
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	αту	Unit Cost	Specs	Date	RFP Issue
Fiscal Years	# Skips	and Type			Delivery	Each	s	Now?	Avail	Calg
HARDWARE									T	
FY 97	Engineering Air Sys., St. Louis, MO	C/FP OPT	CECOM	Sep-97	Jan-99	258	8			Jun-97
FY 98	Engineering Air Sys., St. Louis, MO	C/FP-OPT (1)	CECOM	Jul-98	Aug-99	94	6	YES	Ą	Jun-97
FY 99	Engineering Air Sys., St. Louis, MO	C/FP-OPT (2)	CECOM	Oct-98	Oct-99	110	6			Jun-97
REMARKS:										

Item No. 131 Page 3 of 6 60



COST ELEMENTS Prop. Access March Prop.	FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTI	ION SCI	нери			_	7.1 Ite	P-1 Item Nomenclature: ARMY SPAC	nencla ARMY	ture: / SPAC	ienciature: ARMY SPACE HEATER, 120,000 BTU (ASH) (M19600)	VTER,	120,00	0 BTU	(ASH)	(M196	(00)				Date:				February 1998	1998			
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Item No. 131 Page 5 of 6 62

Exhibit P-21, Production Schedule

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FY 98 / 99 BUDGET PRODUCTION SCHEDULE	\lesssim	TION SC	HEDC	1					ARM	ARMY SPACE HEATER, 120,000 BTU (ASH) (M19600)	E HEA	TER, 1;	20,000	BTU (A	SH) (M	19600)								February 1998	1998		
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		Exhibit P-4	Exhibit P-40, Budget Iten	em Justifica	n Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re;					
ОТНЕ	OTHER PROCUREMENT/OTHER SUPPORT EQUIPMENT	OTHER SUPPORT E	QUIPMENT					LAUNDRY ADV	LAUNDRY ADVANCED SYSTEM (LADS) (M86200)	ADS) (M86200)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
	604713			80								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						14	16	26	27	39		122
Gross Cost	0.0	0.0	0.0	0.0	0.0	7.2	8.1	13.0	13.7	19.7		61.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	7.2	8.1	13.0	13.7	19.7		61.7
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	7.2	8.1	13.0	13.7	19.7	0.0	61.7
Flyaway U/C												-
Wpn Sys Proc U/C				•								
								11				

all in the same drum. Only two personnel are required to operate LADS, thereby reducing manpower requirements by 75% compared to four M-85s. LADS will be fielded times the capacity of the current M-85 field laundry. One LADs will replace four M-85s. It will recycle 99% of the water now used by four M-85s, eliminating the logistical burden of supplying and disposing of over 23,000 gallons of water per laundry per day. LADS is fully programmable and performs washing, extracting and drying cycles machines and a 30 kw generator mounted on an M-871 semi-trailer and towed by a five ton tractor. The LADS launders clothing at a rate of 400 pounds per hour, four DESCRIPTION: The Laundry Advanced System (LADS) is an advanced water recycling mobile field laundry. A LADS system consists of two 200 lb drum laundry to Field Service Companies to support soldiers as far forward as practical on the battlefield.

reduction in requirements for the Laundry Operators obtained with LADS. Initial fielding in FY00 must be met to replace obsolete, unserviceable M-85s, and to avoid JUSTIFICATION: FY99 funding is required to meet critical initial fielding date of FY00. Adjustments of force structure are already in place to take advantage of the having insufficient operators to accomplish this essential battlefield sustainment mission. Aging M-85s are becoming a severe maintenance and repair burden.

Exhibit P-5, Weapon	<u> </u>	Appropriation/ Budget Activity/Serial No:	aget Activity,	Serial No:		P-1 LINe Ite	P-1 Line Item Nomenciature:		_	Weapon System Type:		Date:	
WPN SYST Cost Analysis		OTHER PROCUREMENT/3/OTHER SUPPORT EQUIPMENT	SUPPORT EQUIPMENT	T/3/OTHER MENT		LAUNDE	LAUNDRY ADVANCED SYSTEM (LADS) (M86200)	STEM (LADS)				Febru	February 1998
	QI		FY 96			FY 97			FY 98			FY 99	
	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q ţŷ	UnitCost
Hardware	٥	\$000	Each	\$000	\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000
	۵										6370	14	455
Engineering Support											467		
First Article Testing				•							50		
Interim Contractor Logistics											165		
Quality Assurance											164		
TOTAL				•							7216		

Item No. 132 Page 3 of 4

Exhibit P-5A, Procurement History and Planning

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	ũ	Exhibit P-40, Budget Item Justification Sheet	Budget It	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	lature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Suppo	t Equipment				ᆸ	оорывнт ѕет,	FLOODLIGHT SET, ELEC, TRL MTD, 4 LIGHTS (M72100)	4 LIGHTS (M7210	(00	
Program Etements for Code B Items:) Items:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty	750					113	110	218	220	223		
Gross Cost	2.3	0.0	0.0	0.0	0.0	1.9	2.3	2.3	4.2	4.4		17.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	2.3	0.0	0.0	0.0	0.0	1.9	2.3	2.3	4.2	4.4		17.4
Initial Spares												
Total Proc Cost	2.3	0.0	0.0	0.0	0.0	1.9	2.3	2.3	4.2	4.4		17.4
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The Floodish and american aftern helpers hills installed on the foot death of the contract in the foot the	The Clocalli	abe see see	منمئو مو ومت	4 accolod 7	llotoni odlive	o dot do bo	و د ومهار وه	accolot to	iduu taaan oi	ariom of do	act ac boto	, to 100

DESCRIPTION: The Floodlight set consists of four halogen bulbs installed on top of a forty foot telescopic mast which is mounted on top of a twojacks, power control panel, electrical receptacle for external power, and a battery operated beacon light. A 5 KW Tactical Quiet Generator (TQG) will provide the electrical power. The floodlight set will also have provisions for accepting electrical power from an external source, such as a wheel pneumatic tired High Mobility Trailer. The Floodlight set includes tired four outdoor remote ballasts, a splash panel, outriggers/leveling separate mobile power unit or a nearby commercial power source. This program is used to provide lighting support for the Military Police, Aviation Maintenance Support Units, and major engineering projects.

JUSTIFICATION: FY99 funds will replace an overaged inventory of floodlights that was last procured in the 1960's. The proposed funding profile represented in FY 99 through FY 03 is critical for the Army's Force Package 1 floodlight requirements.

Cost Elements to Totald Cost Elements to Totald \$500 HARDWARE HIGH MOBILITY TRAILER * A ENGINEERING ECO's TOTAL	SOOO Each \$	96 11 V	UnitCost									000 (
Cost Elements © D A VARE A A A EERING			┡		FY 97	LIGHTS (M72100)	(6)	FV 98			FV 99	
VARE AOBILITY TRAILER * A EERING				TotalCost	<u> </u>	UnitCost	TotalCost	λō	UnitCost	TotalCost	À ō	UnitCost
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AOBILITY TRAILER * EERING										550	106	S.
ECO's TOTAL	_									1226	106	12
ECO's TOTAL										128	-	
TOTAL										40		
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* HIGH MOBILITY TRAILER WILL BE PURCHASED FROM TACOM.												
Quantities are current and may not match P1/P40												
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Exhibit	Exhibit P-5a. Budget Procurement History and Planning	listory an	d Planning					Date:		
Appropriation / Burdast Activity/Social Mo-			B					ב	February 1998	
Appropriation / budget Activity/Seliai No.		weapon system type:	ıı (ype:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					FLC	ODLIGHT SE	FLOODLIGHT SET, ELEC, TRL MTD, 4 LIGHTS (M72100)	D, 4 LIGHTS	(M72100)	
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Fiscal Years		and Type			Defivery	Each	\$000		Avail	
권 -	Federal Prison Industries Memphis	SS-FP	CECOM	May-99	Sep-00	106	ហ	YES		
REMARKS:										

Item No. 133 Page 3 of 5 70

Exhibit P-5A, Procurement History and Planning

			!				Б. Д	P-1 Item Nomenclature:	omeno	clature									<u>"a</u>	Date:		ĺ		İ		
FY 98 / 99 BUDGET PRODUCTION SCHEDULE	ξĮ	NOI!	븴	חמר				FLO	FLOODLIGHT SET, ELEC, TRL MTD, 4 LIGHTS (M72100)	SE	LEE.	C, TRI	MTD	4 LIG	HTS (A7210	6	1	┨	١		٦	ebrua	February 1998		
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Item No. 133 Page 5 of 5 72

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	rē:					
OT	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	Equipment		-			SOLDIE	SOLDIER ENHANCEMENT (MA6800)	MA6800)		
Program Elements for Code B Items:	ij			Code:	Other Related Program Elements:	am Elements:			·			
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	22.2	0.0	0.0	0.0	1.7	4.8	4.2	4.7	3.8	3.8	0.0	45.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	22.2	0.0	0.0	0.0	1.7	4.8	4.2	4.7	3.8	3.8	0.0	45.2
Initial Spares										:		
Total Proc Cost	22.2	0.0	0.0	0.0	1.7	4.8	4.2	4.7	3.8	3.8	0.0	45.2
Fiyaway U/C												
Wpn Sys Proc U/C												
L : C : C : C : C : C : C : C : C : C :						1			1	1.1		1.1

DESCRIPTION: The Soldier Enhancement Program procures soldier items to ensure our combat soldiers maintain and improve their lethality, survivability, mobility, command and control, and sustainment.

control disperser. The XM37 is comparable in size to an industrial fire extinguisher with a trigger and muzzle to selectively direct riot agent in situations requiring crowd JUSTIFICATION: FY99 funds will procure the XM37 Mid-Sized Riot Control Disperser to satisfy a Military Police School ORD for a handheld, medium capacity crowd control measures. XM37 provides a more portable alternative to the heavy M33 Backpack Mounter Disperser and a more efficient logistical trail to refill/re-pressurize. FY99 funds procure the XM25 Stabilized Binoculars developed as a result of an Operational Requirements Document (ORD) issued by the Armor Center at Fort Knox for a surveillance and battle damage assessment device. The XM25 is a high powered hand held binocular which uses a gyro stabilizer to compensate for the resolution degrading effects of using a hand held higher power optic and/or in certain moving vehicular scenarios. The XM25 has twice the magnification of the Army's standard accomplish this, the stabilization provides a secondary effect of allowing the binoculars to be used in certain moving scenarios (i.e., helicopters) where standard M22 binoculars, allowing the soldier to identify targets at increased ranges found on the modern battlefield. In addition to providing the resolution necessary to binoculars are virtually useless. The XM25 also incorporates a pre-planned product improvement to night vision capability. Budget Item Justification Sheet

Exhibit P-40,

Item No. 134 Page 2 of 4 74

	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Date:	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	туре:		P-1 Line Item Nomenclature:	lomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						SOLDIE	SOLDIER ENHANCEMENT (MA6800)	IT (MA6800	(
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	νтο	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Hardware - Stabilized Binoculars										
FY98	Fraser-Volpe, Warminster, PA	Op/FFP	ACALA, Rock Island, IL		Dec-98	283	Ŋ		ş	
FY99	Fraser-Volpe, Warminster, PA	Op/FFP	ACALA, Rock Island, IL	Dec-98	May-99	785	ഹ	Yes	<u> </u>	
Hardware - Mid Size Riot Control Disperser - FY99*	TBS	Op/FFP	Op/FFP CBD Command, APG, MD	Oct-98	Mar-99	2199		Yes	S	
Refill/Re-pressurization Kit - FY99*	TBS	Op/FFP	Op/FFP CBD Command, APG, MD	Oct-98	Mar-99	856		Yes	2 2	
*Unit cost less than 1 thousand										
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REMARKS:										

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Hardware - Stabilized Binoculars												_				_				_			H	┢	-	
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Hardware - Mid-Size Riot Control								_																_		
Disperser	2	FY99	A	2199	0	2199	⋖	_			50	100 175	225	225	225 27	225 225	225	225	225 74	-				_		
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Refill/Re-pressurization Kits	7	FY99	∢	856	٥	856	<	\dashv		_	17	33 61	90	06	6 6	06	96	8	90 25	- 2					_	
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Item No. 134 Page 4 of 4 76

		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:		,			P-1 Item Nomenclature:	ië.					
TO OT	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	quípment					FA	LAND WARRIOR (M80500)	(00		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
	604713			æ								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty						213	1451	1935	2553	2689	3343	12184
Gross Cost	0.0	0.0	0.0	0.0	0.0	51.4	91.5	100.5	119.2	111.7	137.0	611.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	51.4	91.5	100.5	119.2	111.7	137.0	611.2
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	51.4	91.5	100.5	119.2	111.7	137.0	611.2
Flyaway U/C												
Wpn Sys Proc U/C												

helmet mounted display and image intensifier; enhancements to protective clothing and individual equipment; and an integrated individual soldier computer/radio. LW will development and integration of various Army System/components and technologies into a cohesive, timely, and combat effective system. Components include: modular weapon system with thermal weapon sight, infrared aiming light, laser rangefinder, digitial compass, video camera, and close combat optic; integrated headgear with Land Warrior (LW) is an integrated fighting system for dismounted combat soldiers. The LW program will enhance the soldier's battlefield capabilities through the bring the dismounted soldier into the digital battlefield. JUSTIFICATION: FY99 funding will enhance the capabilities of the individual soldier in the changing or urban-like battlefield that the soldier is likely to experience in the near future. LW will bring the dismounted soldier into the digital battlefield and support the Force XXI strategy to field an integrated soldier system by the year 2000. The FY99 funding will begin procurement of the Land Warrior system. The dismounted forces will share common digital situational data with other Army components of the battlefield and will be linked to other weapons platforms such as tanks and artillery.

Exhibit P-5, Weapon	<u> </u>	Appropriation/ Budget Activity/Serial No:	iget Activity/	Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:	100000		Weapon System Type:		Date:	
Cost Analysis			Equipment	roddoc iouro		ì	מי) עסיייטיים מיי	(pacae)				reor	February 1998
	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	aty	UnitCost	TotalCost	δţ	UnitCost
		\$000	Each	\$000	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
Land Warrior System Non-recurring production costs* Hardware Engineering changes System Engineering/Program Management Production Engr Spt - Contractor Production Engr Spt - Contractor First Article Test TOTAL **Molds, tooling, and all items for production line setup.	n e e e e e e e e e e e e e e e e e e e										20000 18116 1600 3609 2583 3825 1647 51380	213	89.2

Item No. 135 Page 2 of 4 78

Exhibit P-5, Weapon System Cost Analysis

	Exhibit F	Exhibit P-5a. Budget Procurement History and Planning	listory ar	nd Planning		:			Date:	February 1998	<u> </u>
Appropriation / B	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER	OTHER PROCUREMENT / 3 / Other Support Equipment						٦	LAND WARRIOR (M80500)	180500)		
WBS Cost Elements:	ants.	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	Λto	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
Land Warrior System FY99	r System	Raytheon El Segundo, CA	SSM-3(1) FFP	SSM-3(1) CECOM, Fort Monmouth, N.	99-unf		213	28	ON THE PROPERTY OF THE PROPERT	Sep98 Nov-98	86-70N
REMARKS:	OPA funds were reprogrammed to RDTE as a result of revised acquisition strategy to combine DT/OT into a 15 mo test window that carried over to FY99. Revised acquisition strategy	E as a result of revised acquisition s	trategy to co	ombine DT/OT into a 15 mo t	est window	that carrie	d over to F	-Y99. Revised	d acquis	tion stra	e d
	elso included a I RIP for a limited sole source procurament which will be awarded in Jun 00 for initial finding to most ETIE in EVON	Solitos proclirement which will be awa	arded in lin	o Oo for initial fielding to meet	C I I i in EV				1	5	-

also included a LRIP for a limited sole source procurement which will be awarded in Jun 99 for initial fielding to meet FUE in FY00.

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Raytheon	╀	45	300	,	580	9		N N	REORDER	1	+	1		\perp	n	\dagger		=	+	٩		-	2	, ,		ģ		
El Segundo, CA	Н			П				INITIAL	٦	П	H			L		T			H			5	Unit cost in first year is based on 213	in first	year is	based	on 213	
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Item No. 135 Page 4 of 4 80

		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			Date:		September 1997		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	.e:					
OTF	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					FOR	FORCE PROVIDER (M80200)	200)		
Program Elements for Code B Items:	ÿ			Code:	Other Related Program Elements:	ат Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		2	2	7	2	4	4	4	3	3		28
Gross Cost	0.0	10.7	11.9	25.0	11.6	25.0	18.9	20.8	21.5	22.9	0.0	168.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	10.7	11.9	25.0	11.6	25.0	18.9	20.8	21.5	22.9	0.0	168.2
Initial Spares												
Total Proc Cost	0.0	10.7	11.9	25.0	11.6	25.0	18.9	20.8	21.5	22.9	0.0	168.2
Flyaway U/C												
Wpn Sys Proc U/C												
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Provider is much more than an assembly program. Extensive and comprehensive systems engineering and integrated logistics support is accomplished to assure over 40 major items and several hundred secondary distribution; and wastewater storage with Force Provider's subsystems provide effective, efficient and affordable optimization of the total system which meets all critical user requirements. Fully containerized for rapid deployment, Force Provider is transportable by rail, sea, roadway, and G-130, G-141, G-17 or G-5A aircraft. With the addition of Gold Weather Kits (CWK), the module is deployable in temperatures of -50 degrees DESCRIPTION: Force Provider is the Army's premier base life support system for our Force XXI power projection army. A fully engineered system, this deployable "tent city," provides high quality climate-controlled peacekeeping/enforcement missions worldwide in theaters with immature infrastructure. With Force Provider, combat units will experience higher rates of recovery from the stress of combat and, or an increase in billeting, dining, shower, latrine, laundry, and morale welfare and recreation facilities and equipment in an air transportable, strategically deployable module capable of supporting 550 soldiers. Missions for Force operational readiness as they focus all resources at execution of military operations. Force Provider provides a safe, sanitary, high quality of life environment not available from any other Army system. Force items are integrated into a completely deployable, largely self-sustaining package. In particular, engineering and integration of Force Provider's power generation and distribution; water and fuel storage and Provider include rest and refit for combat weary soldiers, intermediate staging base operations, theater reception/redeployments, humanitarian aid and disaster relief and other military operations such as Fahrenheit.

Bosnia/Herzegovina in Operation Joint Endeavor. Six ISP's are currently in Army Preposition Stock-3 and loaded aboard the USNS Gordon. The ISP's have proved that the concept is sound, the system works, is JUSTIFICATION: FY98 and FY99 funding is required to procure two and four Force Provider modules in FY98 and FY99, respectively. Force Provider is a demonstrated "force multiplier"--returning soldiers to duty module deployed to Guantanamo Bay, Cuba, between August 1994 and February 1996 in a humanitarian relief support mission and six Interim Support Package (ISP) modules deployed to provide base camps to more rapidly, rested, with higher morale and combat ready. Desert Shield/Storm underscored the need for Force Provider and was the genesis for its development through an Army Chief of Staff initiative. One supportable and required by our Force XXI army.

* FY02 and 03 expense is required to upgrade twelve (12) each ISP modules to near Force Provider production configuration. No quantity in FY03 is shown because no new modules will be procured in that FY. ISP modules were assembled from existing DOD inventory to provide interim capability and are a non-standard configuration, but provide near equivalent capability to the Force Provider type classified production configuration. Exhibit P-40,

Budget Item Justification Sheet

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	iget Activity/	Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:		_	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3 Equipment	/ Other Support		Ō	FORCE PROVIDER (M80200)	M80200)				Septe	September 1997
OPA	aı		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q Çţ	UnitCost
		000\$	Each	000\$	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
Hardware (Module w/Generators)	∢	9419	0	4709500	18300	4	4575046	,			14832	က	4943852
Hardware (Module w/o Generators)								8027	N	4013517	4241	+	4241083
Cold Weather Kit (CWK) Hardware					1219	-	1218720				1411	-	1411000
Hardware upgrades					737	-	737000						
Depot Module Assembly		978	N	489000	763	4	190647	853	N	426658	1803	4	450850
CWK Assembly					102	-	102348				110	-	110433
Engineering Support		1060			1797			1359			1355		
ILS		435			1945			1394			1294		
													•
TOTALS		11,892			24,863			11,633	\exists		25,046		

Item No. 136 Page 2 of 6 82

Exhibit P-5, Weapon System Cost Analysis

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Exhibit	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning						September 1997	97
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		P-1 Line Item Nomenclature:	lomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						FOR	FORCE PROVIDER (M80200)	180200)		:
LINE ITEM / FISCAL YEAR	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	γTΩ	Unit Cost	Specs Avail		RFP Issue Date
Hardware		and i ype			Delivery	Each	0000	MON.	Avaii	
FY 96 Module w/Generators FY 97 Module w/Generators	Various Various	Various Various	SSCOM	Various Various	Various Various	0.4	4709500 4575046	YES	99	
FY 97: Cold Weather Kit FY 97: Hardware upgrades (Training Module)	Various Sierra Army Depot	Various Various	SSCOM	Various Feb-97	Various Oct-97		1218720 737000	YES	99	
FY 98 Module w/o Generators FY 99 Module w/Generators	Various Various	Various Various	SSCOM	Various Various	Various Various	0 6	4013517 4943852	YES	9 일	
FY 99 Module w/o Generators FY 99: Cold Weather Kit	Various Various	Various Various	SSCOM	Various Various	Various Various	- -	4241083	YES	99	
Assembly								· · · · · · · · · · · · · · · · · · ·		
FY 96 Module Assembly	Sierra Army Depot, Herlong, CA	W	SSCOM	Apr-96	Dec-97	N	489000	YES	Q Z	
FY 97 Module Assembly FY 97: Cold Weather Kit Assembly FY 98 Module Assembly	Tobyhanna Army Depot, PA Defense Distribution Depot Albany DOD Denot/To Be Determined	* * *	SSCOM	Nov-96 May-97 Oct-97	Sep-98 Sep-98	4 - 0	190647 102348 426658	X X X	999	
FY 99 Module Assembly FY 99: Cold Weather Kit Assembly	DOD DepotTo Be Determined	W W	SSCOM	Oct-98 Oct-98	Sep-00 Sep-00	14-	450859 110433	YES	999	
					,					
REMARKS: Depot assembly is competed to insure best value and efficiency. Storage of completed modules are at Sierra Army Depot and Army Prepositioned Stock-3. The award of hardware contracts will be at various times during the year and to various contractors. During each of the budget years, SSCOM will award about forty major item contracts. The cited date indicates when the majority of the funds will be obligated.	best value and efficiency. Storage of the year and to various contractors. s will be obligated.	completed During eac	modules are at Sierra Army th of the budget years, SSCC	Depot and A	Army Preport dabout fo	ositioned Si	tock-3. The are contracts.	ward of The cite	nardware d date	Φ.

Item No. 136 Page 3 of 6

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCT	ION SC	HEDI	JLE			d	P-1 Item Nomenclature:	menc	lature	:: Fog	CE PR	FORCE PROVIDER (MB0200)	R	30200)						Date:	isi		"	henten	September 1997	25		
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Exhibit P-21, Production Schedule

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Item No. 136 Page 6 of 6

								Date:				
		Exhibit P-40, Budg	0, Budget It	em Justific	jet Item Justification Sheet	.				February 1998		
Appropriation / Budget Activity/Serial No:	Serial No:					P-1 item Nomenclature:	lure:					
ОТН	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Suppor	t Equipment					REFRIGER	REFRIGERATION EQUIPMENT (MAS800)	r (MA5800)		
Program Elements for Code B Items:	lems:			Code:	Other Related Program Elements:	ıram Elemenis:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prod
Proc Qty												G
Gross Cost	0.0	1.6	9.0	4.3	0.0	1.9	6.0	6.0	1.0	6.4	0.0	17.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	1.6	9.0	4.3	0:0	1.9	6.0	6.0	1.0	6.4	0.0	17.8
Initial Spares												
Total Proc Cost	0.0	1.6	9.0	4.3	0.0	1.9	6:0	6.0	1.0	6.4	0.0	17.8
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: This budget line senses onto Army Todies for innered the consists of a firm that it is the front of the	Phio budget	no soucos	Army Too	wing Dofrie	orotion Eq. :	the state of	to a spine	1014020012	مناهد بالمحند مهاند	7 - 1.	000	- 11-

electric motor driven (EMD), and diesel engine driven (DED) units and the 8' X 8' x 20' refrigerated container. These units are designed to fit into the 150 cu ft DESCRIPTION: This budget line represents Army Tactical Refrigeration Equipment. It consists of refrigeration units including the 5,000 and 10,000 BTU performed refrigerated box, and the 600, 1200, 1800, and 4,000 cu ft prefabricated refrigeration boxes. This equipment is used to store a variety of perishable items including food, drugs, medical supplies, and temperature sensitive equipment such as batteries and photographic film.

JUSTIFICATION: The FY99 funding supports upgrade of the refrigerated container to meet the Army's requirement to support the perishable subsistence platoons and the Army Field Feeding System - Future. New containers will be purchased to replace the overaged (15 - 18 yrs old) containers in the field. These new containers will match up with the new refrigeration units and new 10 KW tactical quiet generators that were fielded in FY 96.

Item No. 137 Page 2 of 5

Exhibit P-5, Weapon System Cost Analysis

	Exhibit P-	Exhibit P-5a, Budget Procurement History and Planning	History a	nd Planning					Date: Fel	February 1998	8
Appropriation / Bu OTHER PRI	Appropriation / Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment		Weapon System Type:	m Type:		2-1 Line Item	P-1 Line Item Nomenclature: REFRIGERA	omenclature: REFRIGERATION EQUIPMENT (MA5800)	ENT (MA58	(00	
WBS Cost Elements:	nts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	νтο	Unit Cost	_		RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
Refrigerated Containers	Containers				· · ·					-	
FY 96		KECO Inc., FLORENCE, KY	C/FP-Opt SSCOM	SSCOM	Feb-97	Feb-98	113	9	YES		
FY 97		TBS	C/FP-Opt SSCOM	SSCOM	Jul-98	Sep-98	149	27	YES	-	
FY 99		TBS	C/FP-Opt SSCOM	SSCOM	Feb-99	Feb-00	64	28	YES	-	
REMARKS:	* Award of the FY97 contract was delayed until Sep 97 or later due to the transfer of the procurement function from ATCOM, St. Louis to SSCOM, Natick, MA. The new Contracting Agency has not completed the contracting process nor negotiations.	ayed until Sep 97 or later due to thed the contracting process nor nego	e transfer o	if the procurement function :	from ATC	OM, St. Lo	uis to SSC	OM, Natick,	MA. Th	e new	

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		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
έLO	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	Equipment					ITEMS LESS	ITEMS LESS THAN \$2.0M (CSS-EQ) (ML5325)	EQ) (ML5325)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	ım Elements:						
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	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	250.0	4.2	6.3	3.7	2.0	4.7	6.6	7.3	11.3	13.3	0.0	309.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	250.0	4.2	6.3	3.7	2.0	4.7	9.9	7.3	11.3	13.3	0:0	309.4
Initial Spares												
Total Proc Cost	250.0	4.2	6.3	3.7	2.0	4.7	9.9	7.3	11.3	13.3	0.0	309.4
Flyaway U/C												-
Wpn Sys Proc U/C												

compressors, hygiene and food sanitation equipment. The systems and equipment procured on this line directly support the combat readiness and quality of life of every DESCRIPITION: These programs cover engineer support equipment which have annual procurements of less than \$2 million. All procurements made with these funds are designated to support vital high priority requirements. The types of items procured on this budget line include assault boats, survey equipment, non-breathable air soldier in the Army, everyday.

JUSTIFICATION: These programs fill critical Army shortages and replace overaged, non-supportable and non-replaceable assets. The type of equipment procured on this budget line is subject to high wash out rates due to its extensive use and low unit price. This frequently makes these assets uneconomically repairable. This equipment affects the operational capability of units in the field for designated missions and training requirements. These assets improve units combat capability.

- beach reconnaissance, general utility work, bridge and harbor constuction and drug enforcement/interdiction missions. The FY98/99 program supports replacement of 1. Inflatable Boat, 15 Person (M238): This is a fifteen person, inflatable assault boat. It is required for infiltration/exfiltration missions, river crossings, beach landings, the existing boat for the Engineer Divers. Current inventories exceed their useful life, are defective and pose a potential safety hazard.
- 2. Maturing Theater Laterine (MTL): A durable prefabricated toilet system based on commercial portable toilets. The MTL will be collapsible and may be shipped either fully assembled or unassembled. It will enter the theater of operations within thirty days of initial deployment. The FY99 buy will support initial availability to theater of operation during early deployments.

Budget Item Justification Sheet

Exhibit P-40,

			Date
Exhibit P-40C Budget Item		Justification Sheet	February 1998
Appropriation / Budget Activity/Serial No.		P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment			ITEMS LESS THAN \$2.0M (CSS-EQ) (ML5325)
Program Elements for Code B Items	Code	Other Related Program Elements	
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excessive turn aroung time. The CSSL will directly improve soldier quality of life, both in rear areas and in Operations Other Than War (OOTW) deployments. The initial 3. Containerized Self Service Laundry (CSSL): The CSSL consists of commercial washing and drying equipment integrated into a standard 20 foot shipping container with a sorting/folding area in a tent. It will allow soldiers to machine wash their own clothing. Existing field laundry equipment required significant manpower and FY98 buy will provide First Article Test quantities and the initial set of procured items. FY99 will buy out the full requirement. 4. Boat, Inflatable, 7 Person (M284): This item is required to support the Army Special Operations Forces (ARSOF) and Engineering Divers perform infiltration/exfiltration missions. In addition, the 6th Ranger Training Battalion School also requires this boat to train soldiers. Current inventories are no longer suitable for Engineer Divers and ARSOF mission requirements. The FY99 buy supports Engineer Diver requirements and will provide the user with a safe system to satisfy the mission requirement. missions, river crossings, beach landings, beach reconnaissance, general utility work in or on water and bridge construction as well as drug enforcement/interdiction

5. Outboard Motor, 35 hp (M359): This outboard motor provides propulsion for the 7 and 15 Person Inflatable Assualt Boats. The FY98 program will help fill critical Engineer Diver requirements.

bit P-5,	,	Appropriation/ Budget Activity/Serial No:	get Activity/	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:		ĺ	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support	REMENT/3. Fourioment	/ Other Support		ITEMS	ITEMS LESS THAN \$2.0M (CSS-EQ)	M (CSS-EQ)				Febru	February 1998
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Cost Elements	00	TotalCost	Qty	UnitCost	TotalCost	ģ	UnitCost	TotalCost	λįσ	UnitCost	TotalCost	Ž o to	UnitCost
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Food Sanitation Center (M665 Portable Bath Units/12 Head Shower (M824 Fire Trucks (TDA)	4 4 4	1794 430 1266	134 23 6	13 19 211	400 643	33	12 21						
Truck, Firefighting, Multipurpose (M158) Truck, Ladder M278	⋖ ⋖ ∙				1480	- α	1480 230						
Doat, miatable, 15 person (M238) Light Set, Trailer Mounted (M721)	∢ ∢ ∘				363	33	11	841	76	11	1914		-
waturing I hearre Latrine Containerized Self Service Laundry	< < -							853	17	50	779 1325	1558 29	1 46
Dod., Illiatable, / Person (M284) Outboard Motor, 35hp (M359) Courtming Ming, Ming, Plants	∢ ∢ ∢			.				279	46	9	731		8
Countmine Mine - Mine Flows Countmine Mine - Rollers **! eveling Device Lasher	< < ⊲	915											
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to OPA 3 Mod Line.									-				

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TOTAL	┪	6253			3681			1973			4749		

Item No. 138 Page 3 of 3 94

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	tem Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53301026	ther Support Equipme	int / 53301026					TANK ASSEMBL	TANK ASSEMBLY FAB COLL POL 50000 G M19000	1000 G M19000		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				4								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	2600		89	9/		17	54	107	40	322		3284
Gross Cost	29.5	1.0	1.8	6.0	0.0	7.4	11.5	12.8	9.6	16.1	0.0	9.06
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	29.5	1.0	1.8	6.0	0.0	7.4	11.5	12.8	9.6	16.1	0.0	90.6
Initial Spares												
Total Proc Cost	29.5	1.0	1.8	6.0	0.0	7.4	11.5	12.8	9.6	16.1	0.0	90.6
Flyaway U/C												
Wpn Sys Proc U/C												
					23.1 3						F	

based fuels by the Army, Air Force, and Marine Corp and are components of the Fuel System Supply Point (FSSP) and the Inland Petroleum Distribution System (IPDS). These programs support the Army's mission to provide bulk petroleum fuel distribution to all Department of Defense (DOD) land based forces in a theatre of operations. Distribution Systems. They provide life and mission sustaining water to the front line and remote units in tactical environments. Consolidation of the Army's fabric fuel and water tanks will allow the Program Manager (PM) to more effectively manage contract actions to fulfill Army requirements. assemblies consist of the tank, discharge and filter hoses, control/release valves, and other tank parts. The POL tank assemblies are used for storage of petroleum DESCRIPTION: This line consists of various collapsible fabric tank assemblies of different sizes for petroleum, oils, and lubricants (POL) and Water. The tank The Water tank assemblies are used to store potable water when large capacity quick storage facilities are needed and are components of the Water Storage

capability of the Army corps, division, brigade, and battalion levels. It also provides for the cyclic replacement of tanks due to expired service life and shelf life when in JUSTIFICATION: The FY99-03 programs provide various sizes of fabric storage tanks to meet requirements for new activations. The tank programs support mission

Budget Item Justification Sheet

bit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:		Ĺ	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROC	FRUCUREMENT /Other	OTHER PROCUREMENT /Other Support Equipment / 53301026		TANK ASS	TANK ASSEMBLY FAB COLL POL 50000 G	L POL 50000 G				Febru	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q ty	UnitCost
		\$000	Each	000\$	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
1. Hardware Tank Assembly FAB POL 50000Gallon Tank Assembly FAB POL 20000Gallon Tank Assembly Water 50000Gallon Tank Assembly Water 50000Gallon Tank Assembly Water 20000Gallon Tank Assembly Water 3000 Gallon Tank Assembly	44444					04	12	·			370 1473 908 1531 696 1751 148 148 150	176 108 120 649	25 0 0 1 1 0 8
TOTAL					859						7393		

Item No. 139 Page 2 of 5 96

Exhibit P-5, Weapon System Cost Analysis

Exhibit P-5A, Procurement	History and Planning

Exhibit	Exhibit P-5a, Budget Procurement I	History ar	rement History and Planning					Date:	February 1998	1998
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53301026					T	ANK ASSEMB	TANK ASSEMBLY FAB COLL POL 50000 G (m19000)	L 50000 C	(m 19000	_
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	γτα	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware										
FY97 Tank POL 50000 Gallon	TBS		TACOM	Mar-98 Mar-99	Mar-99	40	21	YES	N/A	
FY99 Tank POL 50000 Gallon	TBS		TACOM	Mar-99	Mar-00	15	25	YES	N/A	
Tank POL 10000 Gallon	TBS	HEG3(2) C/FP	TACOM	Mar-99	Mar-00	176	8	YES	Ą Z	
Tank POL 20000 Gallon	TBS		TACOM	Mar-99	Mar-00	91	10	YES	N/A	
Tank Water 50000 Gallon	TBS	C/FP	TACOM	Mar-99	Mar-00	108	11	YES	X X	
Tank Water 20000 Gallon	TBS		TACOM	Mar-99	Mar-00	120	9	YES	N A	
Tank Water 3000 Gallon	TBS		TACOM	Mar-99	Mar-00	649	8	YES	N A	
		REG5(1)								
REMARKS:										

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTIC	N SC	HEDUL	Щ			P-1 Item Nomenclature: TANK ASS	Mom r	enclature: TANK ASSEMBLY FAB COLL POL 50000 G (m19000)	ure: ASSEN	18LY F	ABCC) A	5000	9	19000	_ ا			<u> </u>	Date:			1 3	1000 to 1000	g		
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Item No. 139 Page 4 of 5 98

Exhibit P-21, Production Schedule

							P-1 Item Nomenclature:	Nomenc	ature	l			l	l			l	Date	l	l	١	l		l	Γ
FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTI	ON SCI	HEDUI	щ				TAI	NK ASS	TANK ASSEMBLY FAB COLL POL 50000 G (m19000)	FAB CO	IL POL	50000	3 (m190	8) i				February 1998	86		
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Tank POL 10000 Gallon		FY99	A	176	3	173			_	9	10 15	5 5	15	15 15	5	15	16	16 16			_				
Tank POL 20000 Gallon	7	FY99	Α	91	3	88				10	101	10 10	10	10 10	10	8	\vdash				L			_	
Tank Water 50000 Gallon	5	FY99	А	108	3	105				10	10	10 10	10	10 10	5	5	10	5		-					
Tank Water 20000 Gallon	5	FY99	Α	120	3	117				10	10 1	10 10	10	10 10	10	10	10	10 7			_				
Tank Water 3000 Gallon		FY99	Α	649	3	646				20	50 5	55 55	55	55 55	55	25	55 5	55 51		_	L				
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	EX	nibit P-40,	Exhibit P-40, Budget Item Justification Sheet	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Suppor	rt Equipment					PUMP ASSY, F	PUMP ASSY, REGULATED, 350 GPM (M61200)	GPM (M61200)		
Program Elements for Code B Items:	Items:			Code:	Other Related Program Elements:	ogram Elements:						
				A								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2003 To Complete Total Prog	Total Prog
Proc Qty						10	28	20	26	395		479
Gross Cost	0.0	0.0	0.0	0.0	0.0	0.4	6.0	2.4	6.0	13.8	0.0	18.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	0.4	6.0	2.4	6.0	13.8	0.0	18.5
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	0.4	6.0	2.4	6.0	13.8	0.0	18.5
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The 350 Gallon-Per-Minute (GPM) Pump Assembly, Diesel Engine Driven (DED), is used with the Hose Line Out Fit (HLOF).	The 350 Ga	llon-Per-M	inute (GPM	I) Pump As	sembly, Di	iesel Engine	e Driven (D	ED), is use	ed with the	Hose Line	Out Fit (HL	OF).

The HLOF is the primary tactical means of distributing, and issuing bulk petroleum to all U.S. land based forces under tactical conditions. It is used at corps, division, brigade, regiment/group, and battalion levels. The 350 GPM Pump moves the fuel from the source of supply to the dispensing equipment.

JUSTIFICATION: FY99 funds will provide 350 GPM pumps to meet requirements for two pipeline terminal operating companies and 27 petroleum supply companies being activated in the Active, Reserve and National Guard. With the 350 GPM pump as part of the Fuel System Supply Point (FSSP) both air and ground combat operations can be supported under the two major regional conflicts scenario.

Exhibit P-5, Weapon		Appropriation/	Budget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line !	P-1 Line Item Nomenclature:	ure:		Weapon System Type:	m Type:	Date:	
OPA Cost Analysis	*******	OTHER PRO	CUREME	OTHER PROCUREMENT / 3 / Other		PUMP AS	SSY, REGULA'	PUMP ASSY, REGULATED, 350 GPM				Febru	February 1998
*400	Ę	dne	Support Equipment	nen			(M61200)						
OPA Cost Flements	<u> </u>	TotalCost	2 ≥	UnitCost	TotalCost	à è	UnitCost	TotalCost		InitCoet	TotalCast	5 5 6 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6	10000
	I	\$000	_	\$000	\$000	Each	\$000	_	Each	\$000	\$000	Each	\$000
2. Engineering In-House Contractor 3. Engineering Change Orders	4										313		31
TOTAL											358		
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	E STATE OF THE STA	Exhibit P.53 Budget Procurement History and Dlanning	lietory ar	nd Planning					Date:		
Appropriation /	Appropriation / Budget Activity/Serial No:		Wearon System Type		ſ				۲	February 1998	æ.
OTHE	OTHER PROCUREMENT / 3 / Other Support Equipment		as fo nodean	750		r-1 Line item	P-1 Line item Nomenciature: PUMP ASSY	iomenciature: PUMP ASSY REGIII ATED 350 GPM (M61200)	SPM (MG	1200	
WBS Cost Elements:	ients:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	ν	Unit Cost	Specs	\vdash	RFP Issue
Fiscal Years			and Type			Delivery	Each	000		Revsn	Date
1. Hardware FY99		Engineered Air Systems,		TACOM	Jan-99	_	P	31	YES	Ą.	
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HEMAKKS:	This item previously appropriated under Items Less	under Items Less Than \$2M POL	, J								

Item No. 140 Page 3 of 4 102

Exhibit P-5A, Procurement History and Planning

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Engineered Air Systems, St. Louis, MS MIN. 1-8-5 hours MAX. D+ 100 hoursed Air Systems, St. Louis, MS Total Louis and Location and Loca								o υ ⊢				Σ∢α	4 G E				Sησ	0 U F					4 G E	≥∢≻	7 D Z	ر د د	< ⊃ ৩	SПG	
Indication And Expense of Air Systems, St. Louis, MS MIN. 1-8-5 MAX. D+ 1 INITIAL Prior 1 Oct. After 1 O		Г	PRC	DUCTIC	N RATE	₀	0.00		<u></u>	ł		Γ		DMIN	ш	TIME		֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	AFR.	H	T0T	٠ ۾	쮼	MAR	KS	1	1	1	
Engineered Air Systems, St. Louis, MS 10 50 100 REORDER 3 4 INITIAL REORDER			Z.	7	5.	MAX.	÷	_	_	ITIAL	1	L	9. 6.	C O	-	fer 1	oet O	Affe	င် င်	┿	#er -	ë Ö							
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	Exhit	Exhibit P-40, Budget Item Justification Sheet	3udget It	em Justi	fication (Sheet		oge.		February 1998		
Appropriation / Budget Activity/Serial No:	ctivity/Serial No:					P-1 Item Nomenclature:	nclature:					
OTHERF	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Supp	port Equipment				INLAN	PETROLEUN	INLAND PETROLEUM DISTRIBUTION SYSTEM (MA5120)	IN SYSTEM (M	A5120)	
Program Elements for Code 8 Items:	ode 8 Items:			Code:	Other Related	Other Related Program Elements:	nts:					
				٧								
	Prior Years	Prior Years FY 1995	FY 1996	FY 1997	FY 1998		FY 1999 FY 2000	FY 2001	FY 2002	FY 2003	FY 2003 To Complet Total Prog	Total Prog
Proc Qty								•				
Gross Cost	270.9	3.2	3.9	3.1	1.0	8.3	8.3	8.2	2.3	2.3	0.0	311.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	270.9	3.2	3.9	3.1	1.0	8.3	8.3	8.2	2.3	2.3	0.0	311.5
Initial Spares												
Total Proc Cost	270.9	3.2	3.9	3.1	1.0	8.3	8.3	8.2	2.3	2.3	0.0	311.5
Flyaway U/C												
Wpn Sys Proc U/C												
OCCUPATION: The left of the le	1. The 1-1	1		1.11	1000] . 				

DESCRIPTION: The Inland Petroleum Distribution (IPDS) consists of the following major components: Tactical Petroleum configured in five mile sets; Tactical Petroleum Terminals (TPT) (fuel storage systems with a capacity of 3.9 million gallons connect pipelines to TPTs and provide pressure protection for components; and associated ancillary equipment, i.e., critical Pipeline System (6 inch aluminum pipe and quick lock couplings with a through-put capability of 720,00 gallons per day), each), configured into three Fuel Units (FU) (Capacity of 1.3 million gallons each) that can be operated independently or together; 800 gallon per minute mainline pump stations (2 pumps per station); Pipeline Connection Assembly (PLCA) to gap crossing, pipeline suspension bridges, etc. The IPDS was designed to be compatible with the Navy's Offshore Petroleum Discharge Systems (OPDS). IPDS is entirely operational project stock.

and Commander in Chief Pacific Command (CINCPAC) to support their respective Operational Plans (OPLANS) and would procured based on the shelf life and corresponding wash out of the existing tanks. BFTA's are the most likely components to be damaged during exercises such as Joint Logistics Over The Shore (JLOTS) or deployment. The BFTA's are a major theater of operations. IPDS includes validated requirements from Commander in Chief Central Command (CINCCENT) components of the TPT. The BFTA is designed to store petroleum based fuel and is used primarily when large capacity quick storage facilities are needed. Army has the mission to distribute bulk petroleum to all U.S. land-based forces in a contingencies worldwide. Since pipeline is the most efficient, least manpower intensive method for movement of large JUSTIFICATION: The planned FY99 procurement is for Bulk Fuel Tank Assemblies (BFTA's). The BFTA's are being support two near simultaneous Major Regional Conflicts Scenario. IPDS equipment could also be used to support

Exhibit P-5, Weapon	Г	Appropriation/ Budget Activity/Serial No:	/ Budget	Activity/Seria		P-1 Line	P-1 Line Item Nomenclature:	clature:		Weapon System Type:	Г	Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	THER PROCUREMENT / Other Support Equipment	MENT / 3 / ipment		INI DISIO	INLAND PETROLEUM DISTRIBUTION SYSTEM	SLEUM SYSTEM				Febr	February 1998
OPA	aı		FY 96			ĭ			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	UnitCost TotalCost	ğ	UnitCost	TotalCost		UnitCost
		000\$	Each	\$000	000\$	Each	\$000	\$000	Each		\$000		
1. Hardware Critical Gap Crossings Floodlight Sets Pipeline Support Equipment Bulk Fuel Tank assembly Fuel Unit -GFE Pipeline Set 5 Mile-GFE Fuel Injectors Contractor 3. Engineering Change Orders 4. Claim GFE - Government Furnished Equipment	۷ E	248 3127 248 194 74	. 58 88 58	36 9	150 888 898 1100 126	10 2 2 2	15 36 36 15	785 147 207 61			312 178 6261 1024 150 150 250		312 36
TOTAL		3891			3062			1013			8342		•

								Date:		
	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning						February 1998	866
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						PIPEL	PIPELINE SUPPORT EQUIPMENT	JUIPMEN	-	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΥТΩ	Unit Cost	Specs	Date Revsn	RFP Issue
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	ŝ
1. Hardware FY96										
Bulk Fuel Tank Assembly	Reliance Aeroproducts	C/FP-REQ TACOM	TACOM	Apr-96 Aug-97	Aug-97	.88	36	YES	A/A	
Fuel Injectors	Hammond Tech, Huston, TX.	C/FP-REQ TACOM	TACOM	Aug-96 Mar-97	Mar-97	50	12	YES	A/A	
Floodlight Sets	Power Manufacturing	S(T) C/FP-REQ TACOM	TACOM	Feb-97	Aug-97	28	ō	8	N/A	
FY97		5(1)	,							
bulk Fuel Tank Assembly	Reliance Aeroproducts	C/FP-REQ TACOM	TACOM	Jun-97	Feb-98	52	36	YES	A/N	
Critical Gap Crossings	Industrial Operations Command	MIPR	TACOM	Mar-97	Jun-97	10	15	YES	N/A	
FY98 Bulk Fuel Assembly	Reliance Aeroproducts	C/FP-REQ TACOM	TACOM	Mar-98	98-Inc	22	36	YES	N/A	-
FY99 Pipeline Support Equipment	TBS	5(4) C/FP-REQ TACOM	TACOM	Mar-99	Aug-00	-	312	2	Jun 98	
Bulk Fuel Tank Assembly	Reliance Aeroproducts	5 C/FP-REQ TACOM	ТАСОМ		66-Inc	S	36	-	K/N	
		5(5)								
REMARK										

Item No. 141 Page 3 of 3 106

Exhibit P-5A, Procurement History and Planning

								Date:				
	Exhit	oit P-40, E	3udget It	em Justi	Exhibit P-40, Budget Item Justification Sheet	Sheet				February 1998		
Appropriation / Budget Activity/Serial No:	tivity/Serial No:					P-1 ftem Nomenclature:	nclature:					
ОТНЕВР	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Sup	port Equipment				FORWA	3D AREA REFI	FORWARD AREA REFUELING SYS ADV AVIATION (R21800)	OV AVIATION (F	R21800)	
Program Elements for Code B Items:	de 8 Items:			Code:	Other Related Program Elements:	Program Eleme	nts:					
				∢								
	Prior Years	Prior Years FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000 FY 2001	FY 2001	FY 2002	FY.2003	FY 2002 FY.2003 To Complet Total Prog	Total Prog
Proc Qty	45					18	8	8	12	=		102
Gross Cost	9.0	0.0	0.0	0.0	0.0	5.3	2.3	2.3	3.7	3.7	0.0	26.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	9.0	0.0	0.0	0.0	0.0	5.3	2.3	2.3	3.7	3.7	0.0	26.3
Initial Spares												
Total Proc Cost	9.0	0.0	0.0	0.0	0.0	5.3	2.3	2.3	3.7	3.7	0.0	26.3
Flyaway U/C												
Wpn Sys Proc U/C												

consists of a fuel pump, filter separator, four 500 gallon drums, nozzles, hoses, and fittings. The system is designed to be system capable of refueling four aircraft simultaneously at a rate of 55 Gallon-Per-Minute (GPM) per nozzle. The system set up and operated by a four-person crew near the front battle lines. It replaces the Forward Area Refueling Equipment DESCRIPTION: The Advanced Aviation Forward Area Refueling System (AAFARS) is a lightweight modular refueling (FARE) in aviation/aviation support units on a two for three basis. It provides an eight-point refueling capability within current authorized strengths. It can, in an emergency, be used to refuel ground vehicles and equipment.

required to ensure capability to refuel aircraft. Use of AAFARS will minimize refueling turn around time and maximize flying time over the target area. With it, aviation, aviation support units and other petroleum, oils and lubricants (POL) supply JUSTIFICATION: FY99 program funds for 35% of early deployment requirements. This procurement and fielding are units, with a retail mission to support aircraft, can minimize refueling time to maximize mission time during combat operations.

Exhibit P-5, Weapon	_	Appropriation/ Budget Activity/Serial No:	/ Budget	Activity/Seria	I No:	P-1 Line	P-1 Line Item Nomenclature:	clature:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 /	OCURE	MENT/3/		FORW,	FORWARD AREA REFUELING	EFUELING				Februs	February 1998
	9	Other Support Equipment	pport Eq	uipment		SYSA	SYS ADV AVIATION (R21800)	•					
OPA Coet Flemente	⊇ 5	TotalCost	8 2 2 2	1 InitCoct	TotalCost	È	InitCoct	TotalCon	FY 98	1 Paid	Totol	₹ 2	0000
		\$000	Each	\$000	\$000	Each	\$000	\$000	-			-	\$000
1. Hardware 2. Engineering In-House Contractor 3. Testing (First Article Test) 4. Documentaion 5. Engineering Change Orders	4										4892 90 107 55 25 25 160		272
TOTAL											. 5329	AMERICA AND AND AND AND AND AND AND AND AND AN	

Item No. 142 Page 2 of 4 108

									Date:		
	Exhibit P-5	Exhibit P-5a, Budget Procurement History and Planning	ory and F	lanning					F	February 1998	8
Appropriation /	Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	lomenclature:				
ОТНЕЯ	OTHER PROCUREMENT / 3 / Other Support Equipment					FORW	ARD AREA RI	FORWARD AREA REFUELING SYS ADV AVIATION (R21800)	DV AVIATI	ON (R2180	0)
WBS Cost Elements:	ents:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	νтр	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
1. Нагdware FY99	Φ	Lear Astronics Corp., Ontario, CA.	C/FP REQ (5)2 TACOM	TACOM	Mar-99 May-00	May-00	8	272	× es		
REMARKS:	Original contract let in FY 93. FY 99 is option to	99 is option to that contract.									

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	na	SHOIT	CHE	DOL	ш		<u>a. </u>	P-1 Item Nomenclature: FOHWARD AREA REI	Non r HWAF	tem Nomenclature: FORWARD AREA REFUELING SYS ADV AVIATION (R21800)	ature: EA RE	FUEL	ING S	YSAE	V V	ATIO	Z (R2	1800)			Date:			ā	ruary	February 1998		
				PROC	ACCEP.	BAL	╀			۲	ISCa	ĕ	Fiscal Year 99			ı	┝			ſ	Fisc	Fiscal Year 00	ear	b		ı		Ŀ
	Σ		s	ξ			Ш		П	П			Calendar Year 99	dar	Yea	r 99		١.	Γ			Sale	nda	Calendar Year 00	ar O			٧
COST ELEMENTS	π.α.	F	а к >	Each	10 OCT	AS OF 1 OCT	7 K	z 0 >	о ш O	¬ < Z	F B B B B B	A P R	≥ ∢≻	7 D Z	701	A U Q	00+	20>	<u>а</u> ш о	¬ ∢ z	т m ю	Σ∢α	< 0 G	¬ ⊃ z ≥ ∢ ≻		∢⊃೮	αшд	⊢шс
1. Hardware	1	FY99	٧	18	0	18	Н	_		Н	٧						L	L			H	┢	-	4	4	├	2	
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Item No. 142 Page 4 of 4 110

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	ற	chibit P-40	, Budget II	tem Justifi	Exhibit P-40, Budget Item Justification Sheet	et				February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Su	7/3/Other Suppo	pport Equipment					ITEMS LESS	ITEMS LESS THAN \$2.0M (POL) (ML5330)	IL) (ML5330)		
Program Elements for Code B Items:	9 Items:			Code:	Other Related Program Elements:	ogram Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty							!					
Gross Cost	227.7	9.2	3.2	6.5	7.1	4.7	3.7	3.8	4.7	4.4	0.0	275.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	227.7	9.2	3.2	6.5	7.1	4.7	3.7	3.8	4.7	4.4	0.0	275.0
Initial Spares												
Total Proc Cost	227.7	9.2	3.2	6.5	7.1	4.7	3.7	3.8	4.7	4.4	0.0	275.0
Fiyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Programs include a	Programs i	nclude a wi	ide and div	erse variet	y of Petrole	um, Oil, an	d Lubricant	ts (POL) ec	uipment w	hich have	wide and diverse variety of Petroleum, Oil, and Lubricants (POL) equipment which have annual procurement	urement

of less than \$2 million. These programs support the Army's mission to provide bulk petroleum fuel distribution to all Department of Defense (DOD) land based forces in a theater of operations. JUSTIFICATION: FY99 funds are required to fill existing shortages, replace overage and uneconmonically repairable assets, and provide state-ofthe-art equipment. This equipment is low unit cost, high usage assets resulting in high washouts and losses. New technology improves combat capability, reducing personnel requirements. The FY99 programs are required to offset shortfalls and scheduled washouts of equipment, and to finance procurement of equipment required for Total Army Analyses (TAA-03) activation of two pipeline terminal operating companies and 27 POL supply companies. Programmed activation dates 1998 thru 2003.

conditions. The system consists of: 2 - 350 Gallons Per Minute (GPM) Pumps; 2 - 350 GPM Filter Separators; Hoses, Fitting, wyes and tees, a. M603, Fuel System Supply Point is the Army's primary means of distributing and issuing bulk petroleum to combat forces under tactical and 6 ea. fabric petroleum tanks. FY99 procurement is required for new unit activations.

Supply Companies and QM Pipeline Terminal Operating Companies to pass fuel forward from corps area to division area, and from division areas bulk fuel transportation system to give adeqquate petroleum logistical support to tactical forces. It is required by Quartermaster (QM) Petroleum compact fuel transportaion system which can be installed or repositioned rapidly. It provides a capability for the rapid placement of a temporary b. M908 Hoseline Outfit (HLOF) is a collection of hardware items to include hoses, couplings, clamps, slings and valves. It makes up a light forward. FY99 procurement is required for new unit activations.

bit P-5,		Appropriation/ Budget Activity/Serial No:	Budget Ac	tivity/Serial No:		P-1 Line I	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PHOCUMEMENT / 3 / Other Support Equipment	PHOCUMEMENT / Support Equipment	NT / 3 / Other nent		IEMS	ITEMS LESS THAN \$2.0M (POL) (ML5330)	SZ.OM (POL)				Febr	February 1998
OPA	аı		FY 96			FY 97			FY 98			FY 99	
ents	CD	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000
Hardware Fuel System Supply Point M603 Hoseline Qutfit M908	∢ ◊							1269	52	24	1303	45	29
Pumping Assembly 350 GPM M612	< ∢	788	23	34	974	31	32	305		12			17
Testing Kit Petroleum: Aviation Fuel					Č	č	-	212		4 0			S
Tank Assembly 20,000 Gallon Petroleum Tank Assembly 10,000 Gallon Petroleum		227	47	ů.	SIS	46	Ď.	948 910		ה ה			
**Tank Assembly Petroleum 50,000 Tank Unit Liquid Dispensing Trailer		1850	128	2	1998 385	86	12	275	42	7			
Mounting Testing Kit Petroleum: Ground Fuel Tank Petroleum 3.000 Gallon	< ∢									. 7			
Lube & Service Unit Filter-Separator 350 GPM	∢ ∢	620 284	38.22	28			Ţ.						
Pumping Assembly 50 GPM Sunnlemental Firel Tank	< <	612		9.4	1135	285	4 00						
Engineering Support In-House							· · · · · ·				976		
Contractor Engineering Change Orders								141 212			93		
Testing	· · ·							125			35		
** FY96 & FY97 Funds appear on 50000 gallon Tank Assembly line in the Year Defense Plan (FYDP), but in Items Less Than 2.0 million Oil, and Lubricant (POL).													
										:			
TOTAL		3172			6467			7055			4657		
]												

								Date:				
	Û	Exhibit P-40, Budget Item Justification Sheet	Budget It	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
OTHE	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Suppor	t Equipment				0,	SMALL MOBILE V	SMALL MOBILE WATER CHILLER (SMWC) (M15700)	SMWC) (M15700)	•	
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
				4								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete Total Prog	Total Prog
Proc Qty	551		400			310	300	258				1819
Gross Cost	4.9	1.0	3.7	0.0	0.0	2.9	2.9	2.4	0:0	0.0	0.0	17.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.9	1.0	3.7	0.0	0.0	2.9	2.9	2.4	0.0	0.0	0.0	17.8
Initial Spares												
Total Proc Cost	4.9	1.0	3.7	0.0	0.0	2.9	2.9	2.4	0.0	0.0	0.0	17.8
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The Small Water Chi	The Small	Water Chille	er (SMWC)	is a self co	ontained, va	apor-cycle,	single pass	water chil	ler. The m	ain compoi	ller (SMWC) is a self contained, vapor-cycle, single pass water chiller. The main components consist of a	stofa

diesel engine, compressor, condensor, heat exchanger (evaporator) and water pump. The components are skid mounted. The SMWC will cool 800 gallons of water from 120 degrees Fahrenheit in a 24 hour operation. All SMWCs will utilize the approved R134a refrigerant.

JUSTIFICATION: FY99 funds ensure the viability of the Army's water supply capabilities for the future. The SMWC is part of the near term water supply equipment which is designed to provide cool fresh water to U.S. Troops in harsh and arid environments. Programmed requirements are needed to maintain the operational readiness of the U.S. Armed forces and for the replacement of assets lost during contingencies.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other	udget Activ	rity/Serial No: T / 3 / Other		P-1 Line It	P-1 Line Item Nomenclature: SMALL MOBILE WATER CHILLER	rre: :R CHILLER		Weapon System Type:		Date: Febru	February 1998
	9	ddns	ort Equipme FY 96	ent _		FY 97	(SMWC) (M15700)	(00)	FY 98			FY 99	
ents	CD	#		UnitCost	TotalCost	ą	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	_	UnitCost
		000\$	┝┽	\$000	\$000	Each		\$000	Each	\$000	\$000	H	\$000
Hardware Engineering Change Orders	<	3297 200 24 168	000						·	·	2647 95 58 10 87		
		3689									2897	•	

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	r-sa, budget riocurement r	istory at	ia rianning					_	February 1998	98
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					S	MALL MOBILE	SMALL MOBILE WATER CHILLER (SMWC) (M15700)	SMWC)	(M15700)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ατγ	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
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Item No. 144 Page 3 of 6 116

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EV 98 / 99 BIIDGET PRODUCTION SCHEDIII E		NOIL	CHE	# III			P-1 Te	P-1 Item Nomenclature:	menck	ature:	Nomenclature: SMALL MOBILE WATER CHILLER (SMWC) (M15700)	E	EB (S	CMM	(M15	ē			Date:		İ	, d	February 1998	1008		
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	Ē	Exhibit P-40,	P-40, Budget Item Justification Sheet	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	lature:					
OTHE	OTHER PROCUREMENT / 3 / Othe		r Support Equipment					ITEMS LESS THAN \$2.0M (WATER EQ) (ML5335)	N \$2.0M (WATE	R EQ) (ML5335)		
Program Elements for Code B Items:	I llems:			Code:	Other Related Program Elements:	ogram Elements:						
				4								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2003 To Complete Total Prog	Total Prog
Proc Oty												
Gross Cost	56.0	4.0	2.4	3.0	2.8	1.3	1.9	1.8	1.0	0.8	0.0	74.9
Less PY Adv Proc									•			
Plus CY Adv Proc												
Net Proc (P-1)	56.0	4.0	2.4	3.0	2.8	1.3	1.9	1.8	1.0	0.8	0.0	74.9
Initial Spares												
Total Proc Cost	56.0	4.0	2.4	3.0	2.8	1.3	1.9	1.8	1.0	0.8	0.0	74.9
Flyaway U/C												
Wpn Sys Proc U/C												
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operations. They provide life and mission sustaining water to the front line and remote units in tactical environments. In addition to consumption, DESCRIPTION: The equipment procured with these programs supports the Army mission of providing potable water to soldiers in the field of decontamination. They include a wide variety of low unit cost, high usage items such as water tanks, pumps, water puritication, storage and these items support personal hygiene, emergency medical conditions, equipment maintenance, and nuclear, biological and chemical distribution systems. Each have an annual procurement of \$2 million or under.

- a. M114, the Water Quality Analysis Set-Purification, is required to conduct chemical analysis of raw and treated water prior to being approved for issue as potable water. FY99 procurement is required for new unit activations.
- b. M660 the 3,000 Gallon Semitrailer Mounter Fabric Tank, is used to transport water to troops in isolated areas. FY99 procurement will replace losses and maintain an 85% authorized capability, for new unit activations.

existing shortages, replace overage assets, and procure state-of-the-art equipment to support activation of: 22 Water Supply Companies, 5 Water Purification Detachments, 10 Water Purification Teams, 3 Tactical Water Distribution Teams, 3 Direct Support Supply Companies, 4 Heavy Water JUSTIFICATION: Lack of potable water adversely impacts U.S. Forces operations in all environments. FY 99 funds equipment required to fill Augmentation Teams, 1 Light Water Augmentation Team, and 6 Regular Water Augmentation Teams.

bit P-5,		Appropriation/ Budget Activity/Serial No:	udget Act	ivity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	ire:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT/3/Other Support Equipment	PHOCUREMENT / Support Equipment	tent		ITEMS	ITEMS LESS THAN \$2.0M (WATER EQ) (ML5335)	.OM (WATER 5)				Febru	February 1998
ОРА	αı		FY 96			FY 97			FY 98			FY 99	
Cost Elements	S	TotalCost	ĝ	UnitCost	TotalCost	Ωţγ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	000\$	000\$	Each	\$000
Water Chaily Alialysis Set. Purification (M114) Tank Assembly Water 50,000 Gallon Tank Assembly Water 20,000 Gallon Tank Assembly: 3,000 Gallon Water	4 4 4 4	593 233	57 80 116	1 0 د د	553 426 1093	54 80 515	10	254 495 616	54 130 130	4 000	156	હ	S
Semitrailer Mounted (M660) Pump 125 Gallon Per Minute Drum Water 500 Gallon	(444	240	95	1 60	317		1 40	3	<u>t</u>	N Total	996	138	7
Linging Support In-House Contractor Engineering Change Orders								166 55 84			70 25 38		
													
TOTAL		2409			2968			2795			1255		
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Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Suppo	rt Equipment					COMBATS	COMBAT SUPPORT MEDICAL (MN1000)	L (MN1000)		
Program Elemenis for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	372.0	13.9	10.1	15.8	11.4	25.8	33.5	35.0	21.8	23.7	0.0	563.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	372.0	13.9	10.1	15.8	11.4	25.8	33.5	35.0	21.8	23.7	0.0	563.1
Initial Spares												
Total Proc Cost	372.0	13.9	10.1	15.8	11.4	25.8	33.5	35.0	21.8	23.7	0.0	563.1
Flyaway U/C												
Wpn Sys Proc U/C												
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necessary to provide the mobile modular design of field medicine. The program supports the medical force structure throughout the continuum of components, the acquisition of major medical equipment required to provide hospital combat casualty care, and the physical hospital platforms Organizational Equipment (TOE) force structure with Deployable Medical Systems (DEPMEDS). Program resources fund clinical assemblage DESCRIPTION: The Combat Support Medical (MN1000) line modernizes and sustains the Army Medical Department (AMEDD) Table of the wartime theater of operations as well as peace operations, humanitarian assistance and operations in aid of civil authorities.

Deployable Medical Systems Platform (MX0003) provides the resources for the non-medical components necessary to support the AMEDD field hospital attributes requiring a mobile and sustainable configuration. DEPMEDS current clinical requirements maintain three configurations of hospitals (Combat Support Hospital, Field Hospital, and General Hospital).

Field Medical Equipment (MB1100) funds the acquisition of major medical equipment components necessary to support field clinical care within DEPMEDS combat hospital units and non-hospital units (Battalion Aid Stations, Medical Clearing Stations, Area Medical Laboratories) JUSTIFICATION: FY 99 continues to fund the modernization of the Army Core Force (Force Package 1 and 2) Combat Service Support Mission program (two hospital sets), and the Army medical Department Center and School hospital training set. Acquisition of technological and clinically Area requirements. Force requirements equate to 16 total hospitals that include both direct patient care medical equipment and non-medical advanced medical equipment ensures medical readiness and maintains a standard of care for combat casualty care comparable to civilian associated items of equipment. Resources support thirteen staffed hospitals, prepositioned assets within the Army War Reserve AFLOAT

Budget Item Justification Sheet

Exhibit P-40C Budget Item Justification Sheet

bit P-5,		Appropriation/ [3udget A	Appropriation/ Budget Activity/Serial No.		P-1 Line I	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
OPA Cost Analysis		Supr	PHOCUMEMENT / Support Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment		S S	COMBAT SUPPORT MEDICAL (MN1000)	MEDICAL				Febr	February 1998
	QI		FY 96			FY 97			FY 98			FY 99	
ents	CD		Qty	_	TotalCost	Qty	UnitCost	TotalCost	Qty		TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
DEPLOYABLE MEDICAL SYSTEMS (DE PM FIELD MEDICAL EQUIPMENT	∑	3351			7134			5142			9-		
TOTAL		10103			15765			11368			25807		

Item No. 146 Page 3 of 14 124

	Ex	hibit P-40,	Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et		Date:		February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenctature:	ature:					
OTHE	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Suppor	rt Equipment				ĐŒ	PLOYABLE MED!	DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	EPMEDS) (MX00	03)	
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:		-	:			
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	232.8	4.4	3.4	7.1	6.2	16.0	16.0	15.8	7.1	8.9	0.0	317.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	232.8	4.4	3.4	7.1	6.2	16.0	16.0	15.8	7.1	8.9	0.0	317.8
Initial Spares												
Total Proc Cost	232.8	4.4	3.4	7.1	6.2	16.0	16.0	15.8	7.1	8.9	0.0	317.8
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Deployable Medical Systems Platform provides the funding for major non-medical associated items of equipment to sustain the distribution systems, etc.) in support of clinical functional modules for three hospital configurations (Combat Support Hospital, Field Hospital and functional, mobile and modular design of Army combat casualty care. This physical design establishes a system capability for maintainability, modernization and sustainability. Resources support the configuration of Army equipment (tents, shelters, environmental control, water General Hospital) JUSTIFICATION: FY 99 budget request funds the continued acquisition of the imperative Operation Desert Storm deficiency for water distribution Resources will support the five-year modernization program of the physical hospital structures initiated in FY 96 and FY 97. The tent and shelter and 93% of tentage for FP 1 modernization requirements of the mobile, modular physical hospital platform. FY 99 completes the modernization systems have exceeded life expectancy and must be replaced to ensure system deployability. Funds will cumulatively provide 85% of shelters and waste water collection and initiates the acquisition and fielding of chemical protection (hardened air conditioners) for DEPMEDS hospitals. of the Water Distribution and Waste Water Collection System for FP 1. Budget Item Justification Sheet

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	3udget Ac	tivity/Serial No:		P-1 Line I	P-1 Line Item Nomenclature:	ıre:		Weapon System Type:	Γ	Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	PROCUREMENT / : Support Equipment	NT / 3 / Other nent		DEPLO	DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	AL SYSTEMS				Febr	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Q Sty	UnitCost	TotalCost	ģ	UnitCost
	Ì	\$000	Each	\$000	000\$	Each	000\$	\$000	Each	000\$	000\$	Each	000\$
M339 Air Conditioner 54000 BTU Field Deployable Environmental Control Unit 1/		410			100			2736	201	14	5407	377	14
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Medical				1	1848	71	26	1067	14	26	2496	96	26
M309 Shelter, Two Sided Expandable		623	=	56	1572	28	99	168	က	56	2021	36	56
M306 Shelter, One Sided Expandable		458	10	46	1231	25	49	345	7	49	1772	36	49
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Surgical					755	24	29	1227	39	31	1699	54	31
M196 Heater 120000 BTU Army Space Heater, Multi Fuel											934	110	8
Tent, Expandable Modular Personnel (TEMPER) 16' x 20'					300	32	6	215	23	6	459	49	6
Tent, Expandable Modular Personnel (TEMPER) 16' x 20' Central Materiel					131	14	6	65	7	0	169	18	6
Water Distribution and Waste Water Collection System Engineering Spt 2/		400											
Water Distribution and Waste Water Collection System					1197	9	200	403	0	202	1009	S.	202
M547 Power Unit 495 Upgrade		961	73	41									
Aerosol generator, Ultra Low Volume		262	32	ω									
M919 Refrigerated Military Van Upgrade		237	43	9									
TOTAL		3351			7134			6226			15966		
NOTES: 1/ Technical data and manuals 2/ Technical data package/components													

Item No. 146 Page 5 of 14 126

Procurement	and Planning
Exhibit P-5A,	History

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory a	nd Planning					Date:	February 1998	<u> </u>
Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item	P-1 Line Item Nomenclature.				
OTHER PROCUREMENT / 3 / Other Support Equipment					DEF	LOYABLE ME	DEPLOYABLE MEDICAL SYSTEMS (DEPMEDS) (MX0003)	(DEPMED	S) (MX0003	(
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	νто	Unit Cost	Specs	Date F	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
M339 Air Conditioner 54000 BTU Field Deployable Environmental Control Unit FY 98 FY 99	TBS	FFP Option	Air Force Air Force	Mar-98 Mar-99	Oct-98 Oct-99	201	14			
Tent, Expandable Modular Personnel (TEMPER) 64' x 20' Medical FY 97 FY 98 FY 99	CG Manufacturing, Arizona 1/	FFP Option Option	DPSC, Philadelphia, PA DPSC, Philadelphia, PA DPSC, Philadelphia, PA	Dec-96 Dec-97 Dec-98	Dec-97 Oct-98 Oct-99	71 41	26 26 26	>>>		
M309 Shelter, Two Sided Expandable FY 96 FY 97 FY 98 FY 99	BRUNSWICK CORP, MARION, VA TBS	FFP Option FFP Option	ATCOM ATCOM ATCOM	Jul-96 May-97 Mar-98 Dec-98	May-97 Feb-98 Oct-98 Jun-99	11 28 36	56 56 56	>>>>		
									19 10 24 Co. Co. Co. Co. Co. Co. Co. Co. Co. Co.	
REMARKS: 1/ Since components (I.e., structure, cloth, doors, zippered windows, etc.) are purchased from various suppliers and assembled at the depot site, the main supplier of the components	th, doors, zippered windows, etc.) are	purchased	from various suppliers and a	ssembled a	t the depo	t site, the n	nain supplier c	of the co	nponent	s

(CG Manufacturing in Arizona who supplies the cloth) is listed.

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Exhibit P-4(Budget Item Instification She
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	Û	khibit P-40	, Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et		Date:		February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomencfature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Suppo	rt Equipment					FIELD MED	FIELD MEDICAL EQUIPMENT (MB1100)	T (MB1100)		
Program Elements for Code B Items:	B Items:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	139.2	9.5	6.8	9.8	5.1	9.8	17.5	19.2	14.7	14.8	0.0	245.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	139.2	9.5	8.9	8.6	5.1	9.8	17.5	19.2	14.7	14.8	0.0	245.2
Initial Spares												
Total Proc Cost	139.2	9.5	6.8	8.6	5.1	9.8	17.5	19.2	14.7	14.8	0.0	245.2
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Final Modical Continuous (MD4400) provides for the continuous continuous of the continuous of the	Cipid Media) Carrier	A / A / D 4 4 C	OV provide		the mode			- 14 7 - 4 - 2			

component for clinical, diagnostic, treatment and preventive medicine mission requirements for combat casualty care. The equipment supports DESCRIPTION: Field Medical Equipment (MB1100) provides funding for the modernization and sustainment of the medical equipment the operational readiness of the Army Medical Department's field units in support of wartime and peacetime medical missions.

equipment (e.g., ventilators for operating rooms, triage/emergency treatment rooms and post-operative/Intensive Care Units) for FP 1 medical JUSTIFICATION: FY 99 budget request continues the acquisition of direct patient care deficiencies identified in Operation Desert Storm for patient monitoring and anesthesia. Funds will cumulatively modernize requirements for 94% of vital signs monitors and 89% of anesthesia apparatus for FP 1; 100% of vital signs monitors with capnography for Force Package (FP) 1 medical support equipment; 30% of other support equipment. Additionally, FY 99 will initiate the modernization for ventilization and computerized radiology.

Exhibit P-5, Weapon	Г	Appropriation/ Budget Activity/Serial No:	udget Act	ivity/Serial No:		P-1 Line II	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other	PROCUREMENT / :	VT / 3 / Other		HELL	FIELD MEDICAL EQUIPMENT	UIPMENT				Febru	February 1998
VOD	₽	ddoo	FY 96			FY 97	(MD110M)		FY 98			FY 99	
Cost Elements	CD	TotalCost	ĝ	UnitCost	TotalCost	ð	UnitCost	TotalCost	δ	UnitCost	TotalCost	ģ	UnitCost
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Anesthesia Apparatus	٧							1950	56	35	1550	44	35
Ventilators	٧								,		1992	221	6
Defibrillators		1967	195	10	1720	172	10		-				
Computerized Radiology											2754	8	1377
Central Compressors		104	N	52	1256	24	52						
ECG Monitor, Vital Signs with Capnography	٧	103	∞	13	718	54	13	562	42	13	106	8	13
Environmental Control Units Upgrade					1400								
Dental Hand-held X-Ray		260	29	9									
Army Medical Laboratory		200	-	700									
Eye Team Equipment		550	က	183									
Defibrillator Aeromed Technical		300											
Operating Room Tables		351	8	89									
Blood Plasma Freezer		6	25	4									
TOTAL		6752			8631			5142			9841		
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Item No. 146 Page 11 of 14 132

Exhibit	Exhibit P-5a, Budget Procurement H	listory an	rement History and Planning					Date: Fe	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:	ľ	P-1 Line Item Nomenclature:	lomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						FIELD ME	FIELD MEDICAL EQUIPMENT (MB1100)	NT (MB110	6	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTΛ	Unit Cost	Specs	Date 1	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
ECG Monitor, Vital Signs 1/										
FY 96 FY 97	PROTOCOL SYSTEMS, Oregon	<u>a</u> 4	Veterans Administration	Jul-96	Oct-96	246	α α			
FY 98			DPSC, Philadelphia, PA	Dec-97	Mar-98	310	0 80			
FY 99			DPSC, Philadelphia, PA	Dec-98	Mar-99	406	8			
Computerized Radiology 2/										
FY 99	TBS	FFP	DPSC, Philadelphia, PA	Dec-98	96-unc	8	1377			
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REMARKS: 1/ Delivery dependent mon air certification currently being accomplished at Fort Bucker. Al	ion currently being accomplished at E	art Bucker	ΔI							

Delivery dependent upon air certification currently being accomplished at Fort Rucker, AL.
 Computerized radiology has several components and are purchased from various suppliers and assemblied at the depot site.

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
то	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support E	quipment				ΰ	SHOP EQ CONTACT MAINTENANCE TRK MTD (MYP (M61500)	MAINTENANCE TRK	MTD (MYP (M61500	(6	
Program Elements for Code B Items:	·8:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty	4062	52	31	31	28	180	181	84	72	72		4793
Gross Cost	141.0	2.8	1.7	1.7	1.6	6.7	8.1	3.9	3.4	3.4	0.0	175.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	141.0	2.8	1.7	1.7	1.6	6.7	8.1	3.9	3.4	3.4	0.0	175.5
Initial Spares									E .			
Total Proc Cost	141.0	2.8	1.7	1.7	1.6	6.7	8.1	3.9	3.4	3.4	0.0	175.5
Flyaway U/C												
Wpn Sys Proc U/C	•											

DESCRIPTION: The Shop Equipment, Contact Maintenance Vehicle (CMV), Truck Mounted, High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) Heavy Variant (HHV) (1097) is for general use and will provide improved cross-country mobile maintenance support to maneuver elements. The current CMVs, the gasoline-engine M887 Dodge Truck and Commercial Utility Cargo Vehicle (CUCV) CMV, are unable to traverse the terrain or maintain sufficient cross-country speed to keep up with equipment. The CMV will operate throughout the battlefield to include the Division Support Area (DSA), the Brigade Support Area (BSA), and the Unit Maintenance support equipment while carrying tool and repair parts. The CMV will deploy to the site of disabled equipment to make repairs of all weapons systems and military Collection Point (UMCP). The CMV will operate as far forward as behind the first terrain feature to the rear of the Forward Line of Own Troops (FLOT). Contact Maintenance teams using the CMV will perform repairs to equipment on-site in hours of daylight and darkness. JUSTIFICATION: The FY99 CMV program will permit the Army to continue to support the highest priority Force Package 1 units in their tactical maintenance mission. This (1500) mounted on the M880 series truck chassis for which spare and repair parts are no longer available. In addition, the 1986 CUCV version CMV will not be supported version also adds to the overall ability of the system to transverse over all types of terrain. The Shop Equipment, Contact Maintenance is employed at the intermediate after 1997. This is in line with the "Purefleeting" concept for Light Maintenance Vehicle. Future procurement of the CMV will be mounted on the HHMWV chassis. This levels of maintenance to provide the capability of performing on-site repairs to disabled equipment. The CMV will replace uneconomically repairable, overaged shops will assist in purifying the vehicular fleet and reduce shortage requirements of spare/repair parts and fuel.

Item No. 147 Page 1 of 6 136

Budget Item Justification Sheet

Exhibit P-40,

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	get Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:		<u>×</u>	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support	REMENT / 3	/ Other Support		SHOP EQ	SHOP EQ CONTACT MAINTENANCE TRK	ENANCE TRK	-			Febi	February 1998
APO	₽		FY 96			FY 97	MID (MIL (MO)		FY 98			FY 99	
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3. Quality Support (RIA)		22			28			12			20		
4. Engineering Change Proposal (ECP)		38			261			. 49					
							•						
									-				
TOTAL		1675			1665			1597			7897		

Item No. 147 Page 3 of 6

REMARKS:

Exhibit P-5A, Procurement History and Planning



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Exhibit P-21, Production Schedule	

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		Exhibit P-4	Exhibit P-40, Budget Item	tem Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Item Nomenclature:	169:					
O	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment					WELDING	WELDING SHOP, TRAILER MTD (M62700)) (M62700)		
Program Elements for Code B Items:	лs;			Code:	Other Related Program Elements:	ram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty	1374					55	150	149	159	7.7		1964
Gross Cost	37.5	0.0	0.0	0.0	0:0	3.0	9.7	7.6	8.1	4.0	0.0	67.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	37.5	0.0	0.0	0:0	0.0	3.0	7.6	7.6	8.1	4.0	0.0	67.8
Initial Spares												
Total Proc Cost	37.5	0.0	0.0	0.0	0.0	3.0	7.6	7.6	8.1	4.0	0:0	67.8
Fiyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The welding shop is a trailer-mounted, self-contained unit with provisions for safely accomplishing oxy-propylene braze welding, straight stick electric arc,	ne welding sho	p is a trailer-	mounted, se	If-contained	unit with prov	isions for saf	ely accompli	shing oxy-pr	opylene braz	e welding, st	traight stick el	ectric arc,

in the field. The entire shop is mounted on a Heavy-High Mobility trailer. Mobility is accomplished by using a High Mobility Multi-Purpose Wheeled Vehicle (HMMWV) or a metal inert gas, air carbon arc-cutting and flux-cored wire welding of ferrous and nonferrous metals. The welding shop provides all purpose welding in support of the Army vehicle with a higher pulling payload capacity.

JUSTIFICATION: FY99 funds support Welding Shops to fill unit requirements throughout the Army in fielding Force Package 1 units. Approximately 300 systems in the field were produced in the late 60's, with a life expectancy of 13 years. These units, as well as approximately 185 fielded in the early 80's, are uneconomically repairable. The new system mission will require that the system operate throughout the battlefield to include the Division Support Area (DSA), the Brigade Support Area (BSA), and the Unit Maintenance Collection Point (UMCP). The FY99 funds support the Army in fielding the Force Package I units.

Ω	_	Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCE	Fquipment	s / Other Support		WELDING	WELDING SHOP, I HAILEH MID (M62700)	(M62700)				Febru	February 1998
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4. Quality Support (ACALA)											50		
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Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	History an	nd Planning					Date:	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						WELDING	WELDING SHOP, TRAILER MTD (M62700)	MTD (M62	(00)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αrv	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
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Item No. 148 Page 3 of 5 144

Exhibit P-5A, Procurement History and Planning

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FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCT	ON SC	HEDI	ULE				1 Item	Nome	P-1 Item Nomenclature:	re:	ature: WEI DING SHOP TRAII FR MTD (M62200)	TBA	E R	TD (M	627001					Date:			"	9000	900		
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Item No. 148 Page 5 of 5 146

Exhibit P-21, Production Schedule

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
ОТ	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	-quipment		-			ITEMS LESS 1	ITEMS LESS THAN \$2.0M (MAINT EQ) (ML5345)	EQ) (ML5345)		
Program Elements for Code B Items:	.sr			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	84.2	1.1	3.3	1.3	4.1	4.8	5.4	6.2	3.3	3.7	0.0	117.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	84.2	1.1	3.3	1.3	4.1	4.8	5.4	6.2	3.3	3.7	0.0	117.4
Initial Spares												
Total Proc Cost	84.2	1.1	3.3	1.3	4.1	4.8	5.4	6.2	3.3	3.7	0.0	117.4
Flyaway U/C												
Wpn Sys Proc U/C												

unexploded ordnance and improvised devices throughout the world. This equipment provides the capability to examine, identify, and render safe ordnance effectively and DESCRIPTION: Provides for procurement of major shop equipment, shop sets, weapon support items, and explosive ordnance disposal (EOD) equipment. Major shop equipment shop sets have multi-applications for Army maintenance organizations tasked with maintaining and repairing combat and tactical weapon systems. This equipment is for initial issue shortages or to replace overaged and uneconomically reparable assets. EOD equipment is used by EOD personnel to render safe

JUSTIFICATION: The FY99 funds are required to procure tool sets and shop equipment to support current and increasing requirements of maintenance and weapons support units. These requirements include interchange, readiness fixing, and replacement of uneconomically reparable/unsupportable assets. The EOD equipment is urgently needed to fill unit requirements throughout the active Army, National Guard, and Army Reserve Units for rendering safe unexploded ordnance and improvised explosive devices. The EOD equipment will increase operational capabilities of EOD units as well as enhance safety of EOD personnel.

- a. Demolition Equip Set, Expl Elec & Non Elec is used by Engineering, EOD & Special Forces for rendering safe unexploded devices as well as various other mission requiring explosive detonation.
 - b. Torch Outfit, Cutting & Welding Org Maint, Set 5, is required for performance of cutting and welding operations at the organizational level for track and wheel vehicles. This item is needed to satisfy readiness requirements.
- c. Shop Set, Spare Part Storage, Field Maintenance (FM), Set 1, is required to provide the necessary equipment for the storage and security of authorized repair parts. This item is needed to satisfy readiness requirements.

Evhibit 0.400 Budget Item	om hietific	hietification Shoot	Date
Talingir I -400 Dadger II	TILL OCIONIC	ation sheet	February 1998
Appropriation / Budget Activity/Serial No.		P-1 Item Nomenclature	omencialure and a second of the second of th
OTHER PROCUREMENT / 3 / Other Support Equipment			ITEMS LESS THAN \$2.0M (MAINT EQ) (ML5345)
Program Elements for Code B Items	Code	Other Related Program Elements	ø

remain in the vicinity of a hazardous unexploded object. The MX22 is a replacement for the aging M122 Remote Firing Device which was developed in the early 1980's demolitions without the need to emplace several hundred feet of electrical firing cable or detonating cord. This reduces overall mission time and time the soldier must d. MX22 Remote Firing Device is used by EOD Companies and Special Forces units to enable the soldier to positively control remote initiation of EOD tools and and is no longer procurable.

e. Shop Set, Welding Field Maint, PCS, Set 8 provides the necessary components to support equipment to perform arc, oxygen/acetylane, and inert gas welding

f. Shop Equip, Machine Shop, Field Maint, Heavy Suppl provides the necessary components and the basic accessories for common field maintenance machine

g. Shop Equipment, Radiator Test and Repair, FM, Composite, Shop Set B, is required to provide the special tools and equipment for the testing and repair of radiators at the organizational level. This item is needed to satisfy Readiness requirements.

h. Shop Equip, Machine Shop, Field maint, Basic, Less Power provides the necessary components to perform duties associated with Machine Shop Field Maintenance. i. Tool Set, Light Engineer, Squad provides necessary components for performing basic engineering functions at forward deployed, remote, wilderness areas.

Shop Equip, Machine Shop Field Maint, Heavy provides necessary components for highly mobile machine shop operation.

explosive devices (IEDs). The x-ray film of the internal components of the suspect object allows the soldier to identify hazards and determine EOD procedures to be used. k. Radiographic Tool Set (commonly called the x-ray tool set) is used by EOD personnel to take x-ray pictures of foreign ordnance items and suspected improvised

I. Advanced Radiographic System (ARS) is used by explosive ordnance disposal (EOD) soldiers to obtain a radiographic computer image of the internal components of munition fuzes, light cased unexploded ordnance (UXO) items and suspected improvised explosive devices (IEDS). The ARS enhances the capabilities of the present X-Ray tool set and increases operational safety by reducing the exposure to the hazardous item.

m. Measuring Tool Set, Machinist's Set 6, is required to provide the necessary components to perform machinist's measuring and resizing of equipment to rebuild engines at the organization, depot level. Item is needed to satisfy Readiness requirements.

n. Shop Set, Spare Part, Storage, FM, Set 2, is required to provide the necessary equipment for the storage and security of authorized repair parts. Sets are needed to fill Readiness requirements **Budget Item Justification Sheet**

Exhibit P-40C

TotalCost Oty UnitCost \$000 \$000 \$000 \$000 \$000 \$000 \$000 \$0
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Item No. 149 Page 4 of 4

		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet		_	Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	Te:					
±LO	OTHER PROCUREMENT / 3 / Other Support Equipment	r/3/Other Support L	Equipment					DIST, BITUM MA	DIST, BITUM MATERIAL 1500G TRK MTD (R02100)	MTD (R02100)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢			OPA3, SSN R030, 20T Dump Truck	20T Dump Truck				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	174			10		20	25	35	35	20		319
Gross Cost	6.2	0.0	0.0	3.3	0.0	4.4	5.6	6.1	6.3	3.7	0.0	35.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.2	0.0	0.0	3.3	0.0	4.4	5.6	6.1	6.3	3.7	0.0	35.6
Initial Spares												
Total Proc Cost	6.2	0.0	0.0	3.3	0.0	4.4	5.6	6.1	6.3	3.7	0.0	35.6
Flyaway U/C												
Wpn Sys Proc U/C												
	0000									•	i	

of two each Bituminous Distributors, three each Concrete Mobile Mixers, and ten each 14 Ton Dump modules which together comprise a battalion set. Each battalion set available. While typically mounted on a dedicated truck chassis in most commercial applications for use with the PLS, the Bituminous and Concrete modules will be skidmounted in a manner similar to some specialized commercial applications. In a PLS configuration, these modules can be demounted and the PLS truck and trailer used the Combat Engineers. These modules will be mounted on M1075 PLS Trucks and M1076 PLS Trailers. The family of engineering modules will be procured on a basis DESCRIPTION: Procures 2800 Gallon Bituminous Distributor and 8 Cubic Yard Concrete Mobile Mixer Engineer Mission Modules (EMMs) beginning in FY97 to support will also require five each Palletized Load System (PLS) Trucks and five each PLS Trailers. The EMM modules are Non-Developmental Items (NDI) and commercially for alternative combat engineer missions, e.g. dump operations.

truck and trailer will also provide significantly improved mobility to combat engineer units. The currently fielded Concrete Mobile Mixer (M919) and Bituminous Distributor JUSTIFICATION: In FY 99, replacement of these overaged dedicated systems with EMMs and shared PLS platforms will make optimal use of resources and the PLS (M918) trucks are overage, unreliable and not economically repairable. In addition, the fielded vehicles are dedicated trucks with low operating tempos.

bit P-5,	Ì	Appropriation/ Budget Activity/Serial No:	dget Activity	Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:		ĺ	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT/3 Equipment	/ Other Support		DIST, BITL	DIST, BITUM MATERIAL 1500G TRK MTD	00G TRK MTD				Febr	February 1998
OPA	₽		FY 96			FY 97	(001200)		FY 98			FV 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	δţ	UnitCost	TotalCost	Q Çţ	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
Hardware Bituminous Distributor Module Concrete Mobile Mixer Module H Ton Dump Module Palletized Load System (PLS) Truck M1075 PLS Trailer	∞ ∞ ∞ ∢ ∢				339 197 1055 185	4 644	85 66 264 46		-		834 1611 1691	10 20 50	83 107 34
SUBTOTAL					1776			·			4136	-	
2. Engineering Changes					139						41		
3. Testing Government Contractor					544								
4. Documentation/Data					151							•	
5. Quality Assurance Support					, , ,								
6. Special Tools													
7. Fielding Support					123						100		
8. Engineering Support Government Contractor					150								
9. Project Mgmt Support											100		
Note: P5 displays current affordable quantities and may differ from the P1/P40													
Modules will complete FAT Aug 98 at Aberdeen Proving Ground and will be Type Classified STD Nov 98													
TOTAL					3300						4377		,
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Item No. 150 Page 2 of 5 152

Exhibit P-5, Weapon System Cost Analysis

								Date:		
Exhibit	Exhibit P-5a, Budget Procurement H	listory ar	urement History and Planning					ŭΣ	February 1998	80
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						JIST, BITUM A	DIST, BITUM MATERIAL 1500G TRK MTD (R02100)	TRK MTD (R02100)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Bituminous Distributor Module	Oshkosh Truck Com	GC/EED	TACOM	Sep. 07	Mar op	_	30	, ,	<u> </u>	<u> </u>
FY 99	Oshkosh, WI	Option	TACOM	Nov-98	Feb-99	† 2	83		¥	X X X X
Concrete Mobile Mixer Module										-
FY 99	Oshkosh Truck Corp	Option	TACOM	Nov-98	Feb-99	15	107	Yes	Υ V	N/A
14 Top Dump Modules	Osnkosn, WI									
FY 97	Oshkosh Truck Corp	SS/FFP	TACOM	Sep-97	Mar-98	6	99		V V	۷ ۷
FY 99	Oshkosh, WI	Option	TACOM	Nov-98	Feb-99	20	34	Yes	N/A	A/N
Dellotized Load System (DLS) Truck M1075										
FY 97	Oshkosh Truck Corp	Option	TACOM	Mar-98	Dec-98	4	264	Yes	X	Α/N
	Oshkosh, WI									
PLS Trailer										•
FY 97	Oshkosh Truck Corp	Option	TACOM	Sep-97	Dec-98	4	46	Yes	Y X	Υ X
	Oshkosh, Wi									
						,				
- Carlon - C										
REMARKS: Total FY97 Program: Requirements contract with Oshkosh Truck Corp. awarded Sep 97 for all FY97 Engineering Mission Modules (4ea Bituminous Distr, 6 ea Concrete Mobile Mixer,	contract with Oshkosh Truck Corp. aw	arded Sep	97 for all FY97 Engineering I	Mission Mo	dules (4ea	Bituminous	s Distr, 6 ea Co	oncrete	Mobile N	fixer,

Total FY97 Program: Requirements contract with Oshkosh Truck Corp. awarded Sep 97 for all FY97 Engineering Mission Modules (4ea Bituminous Distr, 6 ea Concrete Mobile Mixer, and 20 ea 14 Ton Dump modules). Total FY97-funded acquisitions for 10ea PLS Trucks and 10 ea PLS Trailers will use available options. Only items funded by \$3M R02100 FY97 funds are shown here. Acquisition of the remaining FY97-funded complement of 6 ea Concrete Mobile Mixer and 17 Dump modules and 6ea PLS trucks and 6 ea PLS trailers is covered on P-Form for R030, 20 Ton Dump Truck.

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	JCTION	SCH	EDULE			τ	P-1 Item Nomenclature: DIST, BIT	E S E	encla DIST	anciature: DIST, BITUM MATERIAL 1500G TRK MTD (R02100)	M MAT	ERIA	L 150C	G TR	K MTC	(R02	100)				Date:	<u>::</u>			Fe	February 1998	, 1998	_		
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PLS Trailer	_	1		-			\dashv	4	_						7	\neg	\dashv											_		
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MOIT ACCUSATION						TEACHED.	Number,				1	Pŗi	Prior 1 Oct		Afte	After 1 Oct		After	After 1 Oct.	+	After 1 Oct	Ö	Žξ	ote: N	/ar 98	Note: Mar 98 deliveries are for FAT.	eries a	are for	Note: Mar 98 deliveries are for FAT.	,
Ochtoch Truck Com	A P	ł	<u> </u>		+		-	Ž	INTODE	T,				†		_ .	t		اً،	+	`	1	, i	e fund	le del	are funded against B030 20T Dumo	Road	20T F		ą
2 Oshkosh Truck Corp. Oshkosh. WI (Trucks)	- ~	$\frac{1}{1}$	100	2 6	╀	12	٥	Į Z	HEURDER	Ţ	Ī		ļ	T	l	- ,	t	١	,,	+	4	l	Ē	uck. a	as well	Truck, as well as 17 each Dump	7 each	Dum	_	
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Item No. 150 Page 4 of 5 154

Exhibit P-21, Production Schedule

EV 99 / 99 BIIDGET BRODICTION SCHEDIII	7011	JO NOI	בונים	u			o-1 Item	P-1 Item Nomenclature:	andature:						,			Date:	io G						Γ
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1 Oshkosh Truck Corp. Oshkosh, WI (Modules)	\dagger	- -	12	1,	24	e ;		REORDER	EB	1				-	4	ဗ	+	4	Ī						
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	û	chibit P-40	Exhibit P-40, Budget Item Justification Sheet	em Justifi	cation She	et		Date:		February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Sur	73/Other Suppo	pport Equipment				IOH IOH	LLER, VIBRATOR	ROLLER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	LED (CCE) (R03	300)	
Program Elements for Code B Items:	3 ttems:			Code:	Other Related Program Elements:	ogram Elements:						
0604	0604804A DH01			69								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	268		138		06		167	51				714
Gross Cost	6.9	0.2	9.3	0.0	5.9	0.0	10.4	4.9	0.1	0.2	0.0	37.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	6.9	0.2	9.3	0.0	6.3	0.0	10.4	4.9	0.1	0.2	0.0	37.9
Initial Spares												
Total Proc Cost	6.9	0.2	9.3	0.0	5.9	0.0	10.4	4.9	0.1	0.2	0:0	37.9
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The Vibratory Self D.	The Vibrator	v Solf Dror	olled Belle	70000	Poroiol Nor	Poloton	most leton	44: (1.71.4)	lidonoo odt	the of great	paralled Deller is a commercial New Developmental Home (NDI) with the secretarial of evertaints	4

drum vibratory compaction to tamping foot compaction functions within a single base self-propelled unit. This will be accomplished by applying version will also be procured for the 18th Airborne Corps. Roller will be capable of all modes of transportation to include airdrop and helicopter DESCRIPTION: The Vibratory Self Propelled Roller is a commercial Non-Developmental Item (NDI) with the capability of exchanging smooth bolt-on padfoot segments to the existing smooth drum surface. There will be three types procured. A heavy roller replaces the standard size currently in the inventory. A smaller "light" version replaces selected towed compaction equipment in light engineer units. The smaller "light" transport for airborne/airmobile units.

TC Generic (Alt Standard scheduled for Jul 99; model number to be determined; no test results available as acquisition support by market survey, Code B Data: D604804A, DH01 RDTE; Performance Specification Date Sep 97; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; no testing.

bit P-5,		Appropriation/ Budget Activity/Serial No:	Judget Acti	ivity/Serial No:		P-1 Line I	P-1 Line Item Nomenclature:	ıre:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PHOCOREMENT / 3 / Other Support Equipment	Support Equipment	41 / 3 / Other hent		PH OH	HOLLER, VIBHATORY, SELF- PROPELLED (CCE) (R03300)	4Y, SELF- (R03300)				Febru	February 1998
OPA	<u>Q</u>		FY 96			FY 97			FY 98			FY 99	
Cost Elements	СБ		Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	aty	UnitCost	TotalCost	Q Şt	UnitCost
		000\$	Each	\$000	000\$	Each	000\$	000\$	Each	\$000	\$000	Each	\$000
1. Hardware 2. Logistics Data Deliverables a. Publications b. Other 3. Testing (Production Qualification Test) Government (ATC) 4. Engineering In-House 5. Engineer Change Order 6. Program Management 7. Termination Liability match P1/P40	Δ	8556 45 302 110 138 43	138	89				95	88				
TOTAL		9314						5930			•		
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	H H	Exhibit D.5s Budget Drougement History and Blanning	ue vactoit	od Diamina					Date:		
		- 5a, Dadger i localement	IISTOLY AL	nd riaillilig					ш.	February 1998	98
Appropriation /	Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHEF	OTHER PROCUREMENT / 3 / Other Support Equipment					ROL	LER, VIBRATC	ROLLER, VIBRATORY, SELF-PROPELLED (CCE) (R03300)	ELLED (CC	E) (R0330	6
WBS Cost Elements:	ients:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔТΑ	Unit Cost	Specs	Date	RFP Issue
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	,
1. Hardware	6										
FY 96		TBS	C/FP DEO 5/1)	TACOM	Mar-98	May-98	138	62	YES	N/A	Oct-97
FY 98		TBS	C/FP	TACOM	Mar-98	Apr-99	88	65	YES	N/A	
			REQ 5(2)								
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REMARKS:	FY 95/96 awarded in Sept 96. However, due to protest, stop work order was issued in Oct 1996, and contract subsequently terminated for convenience.	due to protest, stop work order was is	ssued in Oct	t 1996, and contract subsequ	ently termir	nated for co	nvenience	. Acquisition strategy has	strated	v has	

FY 95/96 awarded in Sept 96. However, due to protest, stop work order was issued in Oct 1996, and contract subsequently terminated for convenience. Acquisition strategy has changed due to acquisition reform initiatives, and reaward now scheduled for Mar 98.

Item No. 151 Page 3 of 4

Exhibit P-5A, Procurement History and Planning

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1 FY 99	1. Hardware		FY 96	A	138	0	138	H		H	٧	15		┢	H			-	₩	30		\vdash	╀	_		
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		Exhibit P-4	Exhibit P-40, Budget Item	em Justific	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
TO	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	Equipment					HYDRA	HYDRAULIC EXCAVATOR (X01500)	K01500)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:						
0604804A	04A DH01			60								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty				24	12	26	19	25	29			135
Gross Cost	0.0	0.0	0.0	5.6	2.8	6.4	6.5	8.5	8.8	0.2	0.0	38.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	9.6	2.8	6.4	6.5	8.5	8.8	0.2	0.0	38.8
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	5.6	2.8	6.4	6.5	8.5	8.8	0.2	0.0	38.8
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The Hydraulic Excavator (HVEX) is a commercial item of construction equipment. The HVEX is a discellenging driven self-propelled track mounted	Hvdraulic E	VEDVETOR (HV	EX) is a con	mercial item	of construct	ion or iinmor	The HVE	Loodio c of V	popino drivon	coolf propo	lod trock mo	potal

Code B Data: D604804A, DH01 RDTE; Performance Specification Date Oct 97; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Generic (Alt Standard hydraulically controlled machine, equipped with a hydraulic quick connect/disconnect coupler for use with a wide variety of attachments. The HYEX will be transported by highway, rail, marine and air in C-17 and C-5 aircraft. There will be three types procured. Type I excavator will be equipped with a variety of attachments, and used for general excavation, digging, dredging, trenching and lifting. Type II excavator will be equipped with a rock drill and a heavy bucket for quarry operations. Type III heavy DESCRIPTION: The Hydraulic Excavator (HYEX) is a commercial item of construction equipment. The HYEX is a diesel engine driven, self-propelled, track mounted, scheduled for Jan 98; model number to be determined; no test results available as acquisition support by market survey, no testing.) excavator will be equipped with an impact breaker, rock bucket, and heavy duty bucket also for use in quarry operations.

JUSTIFICATION: FY 99 funds procure 26 systems. This system satisfies the Army's requirement to provide Engineer Units with state-of-the-art, multipurpose excavation capabilities to execute construction and quarry missions to support military operations, national goals, and objectives. This is not a new mission for the Engineer Forces. Excavation has always existed. Previously this mission was accomplished with four overaged, obsolete, non-supported systems, all procured in the late 50's and early 60's, and one current system, D8K (T-11 Size) Tractor. The four overaged, unsupportable systems, type classified obsolete in FY 93, were (1) 12.5 ton crawler crane, cable controlled with attachments, (2) ditching machine, (3) pneumatic rock drill, and (4) the 750 cfm air compressor. The goal is to replace all five systems with one commercial, multipurpose excavation system. This will provide the Army's Engineer Units the flexibility to accomplish their excavation and quarry operations in both wartime and peacetime.

										Date:		
		P-5a, Bt	Exhibit P-5a, Budget Procurement History and Planning	History an	nd Planning						February 1998	98
Appropriation / But	Appropriation / Budget Activity/Serial No:			Weapon System Type:	туре:		P-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER P	OTHER PROCUREMENT / 3 / Other Support Equipment							HYDRA	HYDRAULIC EXCAVATOR (X01500)	PR (X01500	_	
WBS Cost Elements:	:\$:		Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	γTΩ	Unit Cost	Specs	Date Revsn	RFP Issue
Fiscal Years				and Type			Delivery	Each	\$000	Now?	Avail	
1.Hardware FY 97		TBS			TACOM	Apr-98	Oct-98	24	215		╅	Dec-97
FY 98		TBS		REQ 5(1) C/FP	TACOM	Apr-98	66-Inc	12	215		A/A	
FY 99		TBS			TACOM		Aug-99	26	236	YES	N/A	
				REQ 5(3)								
REMARKS:	Variation in unit cost is due to three sizes of HYEXs being procured from a	3s of HYE)		5 vear requi	5 year requirements contract Unit costs listed above reflect average unit costs for the three different sizes	s listed aho	ve reflect a	verage uni	t costs for the	three	fferent	sizes

Variation in unit cost is due to three sizes of HYEXs being procured from a 5 year requirements contract. Unit costs listed above reflect average unit costs for the three difflerent sizes of HYEXs.

Item No. 152 Page 3 of 5 162

Exhibit P-5A, Procurement History and Planning

FY 1998 / FY 1999 BUDGET PRODUCTION SCHEDULE
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PRODUCTION RATES
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Item No. 152 Page 5 of 5 164

Exhibit P-21, Production Schedule

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	em Justifice	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
що	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	quipment				DE	PLOYABLE UNIVER	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M06100)	14 MOVERS (M0610	(00	
Program Elements for Code B Items:	:S:			Code:	Other Related Program Elements:	ım Elements:						
				Ą								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			15	21	22	23	22	20	22	16		161
Gross Cost	0.0	0.0	9.5	7.7	8.7	9.4	9.2	9.7	10.0	7.3	0.0	71.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	9.5	7.7	8.7	9.4	9.5	9.7	10.0	7.3	0.0	71.5
Initial Spares												
Total Proc Cost	0.0	0.0	9.5	7.7	8.7	9.4	9.2	9.7	10.0	7.3	0.0	71.5
Flyaway U/C												
Wpn Sys Proc U/C												

travel rapidly between job sites, travel across paved airlield and highways without damaging the surfaces, and be capable of low velocity air drop and roll-on/roll-off from Cexcavating operations in support of mobility, countermobility, survivability, and sustainment of engineering missions in Light Divisions and Airborne Units. The DEUCE will DESCRIPTION: The Deployable Universal Combat Earth Mover (DEUCE) is a high-speed mobility earth moving system capable of conducting clearing, leveling, and 130 and C-17 aircraft.

support light divisions. The DEUCE also replaces existing overage assets in airborne units (D5 Dozer). Engineers as part of the combined arms team need a lightweight earth moving capability that does not require a prime mover and trailer for operational and tactical movement in the battlefield and is strategically deployable by air. JUSTIFICATION: FY 99 funds continue acquisition of Force Package 1 and 2 requirements. The DEUCE will increase war fighting capabilities of light engineer units to

	-	Appropriation/ Budget Activity/Serial No:	Iget Activity/S	erial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:	Туре:	Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3 / Equipment	Other Support		DEPLOYAB	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M10600)	COMBAT EARTH				Febr	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	δţ	UnitCost	TotalCost	ģ	UnitCost
		000\$	Each	000\$	000\$	Each	\$000	\$000	Eac	\$000)O\$	Each	\$000
1. Hardware 2. Logistic Data Deliverables - Provisioning 3. Testing (Production Verification Test) -Contractor -Government (ATC) 4. Armored Kits (CAB) 5. Engineering In-House 6. Engineering Change Orders 7. Program Management	<	8700 33 305 350 44 44	τ .	280	106 62		357	8326 177 108 67		362			374
TOTAL		9522			7665			8678			9388		

Item No. 153 Page 2 of 6 166

Exhibit P-5, Weapon System Cost Analysis

	Exhibit	Exhibit P-5a. Budget Procurement History and Planning	History a	nd Planning					Date:	February 1998	8661
Appropriation / Buc	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Vomenclature				
ОТНЕЯ РЕ	OTHER PROCUREMENT / 3 / Other Support Equipment					DEPLO	YABLE UNIVE	DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M06105)	EARTH MO	OVERS (M	106105)
WBS Cost Elements:	S	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware FY 97		CATERPILLAR	C/FFP	TACOM	Feb-97	Oct-97	21	357	YES	ΑN	
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FY 98		CATERPILLAR		TACOM	Jan-98	May-98	23	362	YES	A/A	
FV 90		MINNEAPOLIS, MN	OPTION	TACOM	90-06	May-90	70	37.4	У Ц У	Ø/N	
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DEMANAS.	 FY 97 thru FY 99 are options to contract awarded in July 95. EV 96 unit cost includes non-requiring production tooling cost. 	ract awarded in July 95. on production tooling costs									

2. FY 96 unit cost includes non-recurring production tooling costs.

FY 1998 / FY 1999 BUDGET PRODUCTION SCHEDULE	_ 0≥	UCTION	I SCH	EDULE			P-1 lte	P-1 Item Nomenclature: DEPLOYABLE UNIVERSAL COMBAT EARTH MOVERS (M06100)	nclatu YABLE	re: : UNIVI	ERSAL	COME	3AT EA	RTH	MOVER	3S (MC)6100)			Date:	.; .;			Februs	February 1998	86		
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Item No. 153 Page 6 of 6 . . 170

		Exhibit P-4	Exhibit P-40, Budget Item	tem Justifica	Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
ОТ	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support t	quipment					TRUCK,	TRUCK, DUMP, 20T (CCE) (R03000)	103000)		
Program Elements for Code B Items:	ıs:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty	919			206		99	29	69	56	98		1520
Gross Cost	41.5	0.0	0.0	43.3	0.0	13.3	13.4	13.7	18.7	19.2	0:0	163.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	41.5	0.0	0.0	43.3	0.0	13.3	13.4	13.7	18.7	19.2	0.0	163.1
Initial Spares												
Total Proc Cost	41.5	0.0	0.0	43.3	0.0	13.3	13.4	13.7	18.7	19.2	0.0	163.1
Flyaway U/C												_
Wpn Sys Proc U/C		1										

climatic conditions in a military environment. It has a heavy duty steel, 18.5 ton, 12 cubic yard truck and 14 cubic yard heaped capacity dump, in a cab controlled double 20Ton dump truck is transportable by highway, rail, marine, and air modes worldwide. This dump truck with the Material Control System (MCS) has an air actuated four payloads of sand and gravel aggregates, crushed rock, hot paving mixes, earth, clay, rubble, and large boulders at engineering and construction sites under worldwide action hydraulic hoist system capable of a 50 degree tilt angle, 8 inch high removable sideboards, easy wind tarpaulin system, and an air actuated tailgate lock. This DESCRIPTION: The Dump Truck (20Ton, Commercial Construction Equipment), Model M917A1, is a Non-Developmental Item used to load, transport, and dump door tailgate controlled by the operator capable of dumping loads through any one or all four gates.

supply vehicles are required to activate newly organized Engineer Heavy Dump Truck Companies. Both the M917 and F5070 dump truck are experiencing below the goal JUSTIFICATION: FY99 funds will provide for the Dump Truck, 20T (CCE), which replaces the aging M917 and F5070 dump trucks which are 18-25 years old. These mission capable rates and are difficult and expensive to support due to their age. This new dump truck will significantly improve readiness due its state of the art components. Sustainment costs will be significantly reduced due to design consideration targeted at minimizing the cost to operate.

bit P-5,	•	Appropriation/ Budget Activity/Serial No:	get Activity/S	ity/Serial No:		P-1 Line Item TBHCK	P-1 Line Item Nomenclature:	(000000)		Weapon System Type:		Date:	
UPA Cost Analysis		Olnen radoo	Equipment	Omer Support		אססאי	DOMP, 201 (CC	=) (H03000)				Febru	February 1998
ОРА	Q		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qfy	UnitCost
	Ħ	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
I. venicle Truck, Dump, 20T (CCE) -W/O Material Control System -W Material Control System 2. Government 3. Documentation 4. Testing (PVT) (ATC) 5. Engineering Change Proposals 6. Program Management	«				27152 11150 326 269 269 280	154 59	176				8918 3332 450 150 305	49	182 196
2. Vehicle Palletized Loading System Truck Option Palletized Loading System Trailer Option Palletized Loading System Trailer Option Concrete Mobile Mixer Module 14 Ton Dump Module 2. Engineering Change Proposals 3. Testing (FAT) (ATC) 4. Engineering Support Government	< < @ @				1582 277 634 470 60 240 230	6 6 71	264 46 106 28					147	
The Concrete Moblie Mixer Module and the the 14 Ton Dump Module will complete First Vehicle Test in Aug 98 at Aberdeen Proving Ground and will be type classified "Standard" Nov 98.												4.2	
Quantities shown are most current and may differ from P1/P40													
TOTAL					43263						13305		

Item No. 154 Page 2 of 5 172

Exhibit P-5, Weapon System Cost Analysis

								Date:		
Exhibit P	Exhibit P-5a. Budget Procurement History and Planning	listory an	d Planning					F	February 1998	8
Amenoration / Burdnet Activity/Serial No		Weapon System Type:	Type:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						TRUCK	TRUCK, DUMP, 20T (CCE) (R03000)	(R03000)		
WBS Cost Elements:	Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	γTO	Unit Cost	Specs		HrP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Vehicle FY 97 M917A1 W/O MCS M917A1 W MCS	Freightliner, Portland, Oregon Freightliner, Portland, Oregon	Option	TACOM	Oct-97 Oct-97	May-98 May-98	154	176	Yes	A A	
FY99 M917A1 W/O MCS M917A1 W MCS	Freightliner, Portland, Oregon Freightliner, Portland, Oregon	Option Option	TACOM	Dec-99 Dec-99	99-InC	49	182	Yes	A A	
2. Vehicle FY 97 Concrete Mobile Mixer Module	Oshkosh Truck Corp. Oshkosk, Wl	Option	TACOM	Sep-97	Mar-98	· ·	106	Yes	N/A	
FY 97 14 Ton Dump Modules	Oshkosh Truck Corp. Oshkosk, Wl	SS/FFP	TACOM	Sep-97	Aug-98	17	28	Yes	N/A	
FY 97 Palletized Loading System Truck (M1075)	Oshkosh Truck Corp. Oshkosk, Wl	Option	TACOM	Mar-98	Dec-98	9	264	Yes	N/A	
FY 97 Palletized Loading System Trailer	Oshkosh Truck Corp. Oshkosk, WI	Option	TACOM	Sep-97	Dec-98	9	46	Yes	N/A	
				:						
REMARKS: (1) Freinhtliner Cont DAAE07-96-C-X076 awarded Dec 95	076 awarded Dec 95 provides 250%	option. This	provides 250% option. This is a Sole Source Firm Fixed Price contract with 196 vehicles on contract. FY97/98	Price conf	ract with 1	96 vehicles	s on contract.	FY97/98	86//6	

award is for 213 vehicles for the Army, 49 vehicles for the National Guard, 16 vehicles for the Army Reserve, and one Foreign Military Sale case (FMS) consisting of 14 vehicles.

Current plans provide for using the existing option to acquire the FY99 requirements.

(2) Requirements contract with Oshkosh awarded Sep 97 for all FY97 Engineering Mission Modules (4ea Bituminous Distr, 6ea Concrete Moblie Mixer, and 20ea Ton Dump Modules). Total FY97 funded acquisitions for 10ea PLS Trailers / Trucks will use available options. Only items funded by \$3.5M FY97 funds are shown here. Acquisition of the remaining FY97 complement of 4ea Bituminous Distributor, 3ea Dump modules, 4ea PLS trucks, and 4ea PLS trailers is covered on P-FORMS for R021, 20 Ton Dump Truck.

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Concrete Moblie Mixer Module		FY 97	A	9	0	9		+	Ļ	Ļ	I		T	t	+	+	1	1	I		†	\dagger	+	+	4	\downarrow		
14 Ton Dump ModulesTruck		FY 97	4	11	0	17		+	$oldsymbol{\perp}$	1			\dagger	\dagger	+	+	+]	†	\dagger	+	\dashv	+	_	<	9
Palletized Load System Truck	3	FY 97	∢	9	0	9		╀	╀	\downarrow			\dagger	\dagger	+	+	4			T	†	\dagger	+	+	4	4	۷	=
Palletized Load System Trailer	4	FY 97	∢	9	0	9		╁	\downarrow	\downarrow		Ť	\dagger	╁	+	+	\downarrow				+	+	+	\dashv	4	4		9
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Item No. 154 Page 4 of 5 174

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FY 98 / 99 BUDGET PRODUCTION SCHEDULE	CT	ION SC	HEDUL							TRUCK, DUMP, 20T (CCE) (R03000)	DUMP,	20T (C	CE) (RC	(0006)								Febru	February 1998	98		
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Palletized Load System Truck	3	FY 97	Α	9	0	9	\vdash		Н	٧		_	_			-	9				L					
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R NAME / LOCATION		MIN.	1-8-5	5	MAX.	+0		INITIAL	اٍ ا	Н	Ц	18	Н	3	П		2	Ц	25		Эес. .:	reak in	FY97 a	nf FY99	Dec. Break in FY97 anf FY99 for M917	17
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		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	.ë					
ŧo.	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support!	Equipment					CRUSHING/SCF	CRUSHING/SCREENING PLANT, 150 TPH (M07000)) TPH (M07000)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	2					8	4		3	၈		14
Gross Cost	4.5	0.0	0.0	0.0	0.0	3.8	7.5	0.1	5.9	5.9	0.0	27.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	4.5	0.0	0.0	0.0	0.0	3.8	7.5	0.1	5.9	5.9	0.0	27.72
Initial Spares												
Total Proc Cost	4.5	0.0	0.0	0.0	0.0	3.8	7.5	0.1	5.9	5.9	0:0	27.72
Flyaway U/C												
Wpn Sys Proc U/C												

crusher, a secondary cone crusher, tertiary cone crusher, wash and screening unit, product conveyors, generators, and other components required to provide a complete and operational rock crushing plant. The plant produces a minimum of 150 tons per hour of product suitable for base stone and concrete aggregate materials to be used DESCRIPTION: The Crushing, Screening, and Washing Plant (CSWP) is a reprocurement of a portable, diesel/electric driven system, consisting of a primary jaw in construction and maintenance of roads and airfields.

American experiences have all indicated that the engineers cannot expect host nation support for aggregate materials to sustain horizontal construction in any but the most developed countries of the world. Force structure changes have resulted in the consolidation of various sizes of crushing units, 75 tons per hour (TPH) and 225 TPH JUSTIFICATION: The FY 99 program year is an option to an existing contract to fill Force Package 1 & 2 requirements. Studies and lessons learned from our Latin into the 150 TPH requirement.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other St Equipment	dget Activity/ REMENT / 3 Equipment	y/Serial No: 3 / Other Support t		P-1 Line Ite CRUSHIN	P-1 Line Item Nomenclature: CRUSHING/SCREENING PLANT, 150 TPH (M07000)	LANT, 150 TPH		Weapon System Type:		Date: Febru	February 1998
	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ģ	UnitCost
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1. Hardware 2. Engineering In-House 3. Engineering Change Orders 4. Program Management	⋖							·			3581 48 66 106 3801		
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	Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning					Date:	February 1998	œ
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
ОТНЕЯ Р	OTHER PROCUREMENT / 3 / Other Support Equipment					υ 	RUSHING/SCI	CRUSHING/SCREENING PLANT, 150 TPH (M07000)	, 150 TPH (M07000)	
WBS Cost Elements:	15:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	ОΤУ	Unit Cost	Specs Avail	Date P Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000		Avail	
1. Hardware FY 99		Cedarapids, Inc	CFP	TACOM	Jan-99	Apr-99	2	1839	Yes	Ą Ž	
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	FY 99 is option to an FY 93 contract.	ract.									

Item No. 155 Page 3 of 4 178

Exhibit P-5A, Procurement History and Planning

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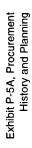
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		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomenclature:	re:					
±10	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					CHANE, WHEEL	CHANE, WHEEL MTD, 25T, 3/4 CU YD, RT (X00800)	D, RT (X00800)		
Program Elements for Code B Items:	::			Code:	Other Related Program Elements:	m Elements:						
06048	0604804A DH01			89			:					
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	2755		3	59	25	47	51	49	50	50		3059
Gross Cost	168.2	0.0	1.9	6.1	13.7	11.6	12.4	12.3	12.5	12.4	0.0	251.1
Less PY Adv Proc							•					
Plus CY Adv Proc												
Net Proc (P-1)	168.2	0.0	1.9	6.1	13.7	11.6	12.4	12.3	12.5	12.4	0.0	251.1
Initial Spares												
Total Proc Cost	168.2	0.0	1.9	6.1	13.7	11.6	12.4	12.3	12.5	12.4	0.0	251.1
Flyaway U/C												•
Wpn Sys Proc U/C												

will be capable of lifting, lowering, loading, and handling of general supplies, construction materials and bridging to support maintenance, resupply points and logistic telescoping boom. It will be capable of operating with a hydraulic clamshell & grapple; pile driver and concrete bucket in engineer construction excavating missions. DESCRIPTION: This is a commercial all terrain crane, pneumatic tired, diesel engine driven, with fully revolving superstructure and cab, and hydraulically powered support facilities.

Code B Data: D604804A, DH01 RDTE; Performance Specification Date May 96; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Generic (Alt Standard scheduled for Apr 98; model number to be determined; no test results available as acquisition support by market survey, no testing.) JUSTIFICATION: FY 99 funding continues acquisition of Force Package 1 requirements. The All Terrain Crane (ATEC) replaces 3 existing overage cranes: 20 ton truck existing crane fleet has low operational readiness rates and incurs significant operating and sustainment (O & S) costs to maintain because of their age. Procurement of mounted crane; 25 ton truck mounted crane and 20 ton rough terrain crane that include eight different makes and models. These cranes are 17 - 28 years old. This the ATEC will provide improved readiness, state-of-art technology, safety, and will blend on and off road mobility capability into one vehicle.

Q		Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	4	<u> </u>	Weapon System Type:		Date:	
OPA Cost Analysis		מביים	Equipment) Orner support		כחאומב, עער	(X00800)	3/4 CO 1D, HI				Febru	February 1998
OPA	Ō		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost		UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	000\$	000\$	Н	000\$	000\$	Each	\$000	000\$	Each	\$000
1. Hardware 2. Logistics Data Deliverables a. Publications b. Other 3. Testing (Production Qualification Test) -Government (ATC) 4. Engineering In-House 5. Engineering Change Order 6. Crane attachment Quantities shown are current and may differ from P1/P40	Φ.	615 286 119 800		205	102 32 29		205	12238 115 48 1326	85 15	211			223
TOTAL		1925			6108			13727			. 11553		

Item No. 156 Page 3 of 6 182



EY 1998 / FY 1999 BUDGET PRODUCTION SCHEDULE	DDUCT	S NO	CHEDI)LE		P-1	P-1 Item Nomenclature: CRANE, W	enclat CRAN	enclature: CHANE. WHEEL MTD. 25T. 3/4 CU YD, RT (X00800)	EEL M.	TD, 25	3/4 C	O YD	RT (X0	(0080				Date:		l	ı	phrijary	February 1998			
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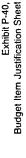
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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ıre:					
01	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support	Equipment					ITEMS LESS TH	ITEMS LESS THAN \$2.0M (CONST EQUIP) (ML5350)	QUIP) (ML5350)		
Program Elements for Code B Items:	JS:			Code:	Other Related Program Elements:	ım Elements:						
090	0604804A DH01			See P-5								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	81.4	4.3	2.1	2.3	8.0	1.9	2.0	2.0	4.8	3.0	0.0	104.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	81.4	4.3	2.1	2.3	0.8	1.9	2.0	2.0	4.8	3.0	0.0	104.7
Initial Spares												
Total Proc Cost	81.4	4.3	2.1	2.3	0.8	1.9	2.0	2.0	4.8	3.0	0.0	104.7
Flyaway U/C	81.4											
Wpn Sys Proc U/C												
DESCRIPTION: This program covers various types of Consti	is program co	vers various	types of Con	Istruction Equ	uipment (CE)	ruction Equipment (CE) where the total acquisition cost for each line item is below \$2,000,000 (total	otal acquisitio	n cost for ea	ch line item i	s below \$2,0	000,000 (total	

expended program per year)

Soil Density Tester - Code B Data: D604804A, DH01 RDTE; Performance Specification Date Dec 95; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Water Distributor - Code B Data: D604804A, DH01 RDTE; Performance Specification Date May 98; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Tilt Bed Trailer - Code B Date: D604804A, DH01 RDTE; Performance Specification Date Jun 99; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Generic (Alt Standard scheduled for Feb 99; model number to be determined; no test results available as acquisition support by market survey, no testing.) Generic (Alt Standard scheduled for Jan 01; model number to be determined; no test results available as acquisition support by market survey, no testing.) Generic (Alt standard scheduled for Jul 99 ; model number to be determined; no test results available as acquisition support by market survey, no testing

constructing maintenance and storage facilities and roads. This equipment is critical towards insuring combat readiness and fleet mobilization of U.S. Armed Forces. The provide an electronic digital readout which indicates the quality of the water. It can also provide a chlorinated solution to the water to ensure the delivery of potable water Tilt Bed Trailer is a single year buy to procure a lightweight airborne trailer for the XVIII Airborne Corp; and is used to carry construction equipment to the job site. Water JUSTIFICATION: FY 99 procures the Water Distributor and the Tilt Trailer. This equipment is required for combat engineering units to build and maintain roads and Distributor will be used to re-supply combat forces with drinking water during early entry and build up. It will also cool drinking water in arid environments, and it will facilities to support the tactical mission. Construction equipment supports tactical wheeled vehicles and combat equipment in the forward deployment zone by to the user. The airborne system is used to control dust on helipads, fire fighting, and as a wash rack.

Item No. 157 Page 1 of 2 186



bit P-5,	Α.	Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:	Sen son rose		Weapon System Type:		Date:	0007
OPA Cost Analysis	-	OTHER PROCOREMENT / 3 / Other Support Equipment	Fewen 13	/ Otner Support		II EMS LES	HEMS LESS THAN \$2.0M (CONST ECTOR) (ML5350)	CONST EQUIP)				reor	rebruary 1998
AGO	₽		FY 96			FY 97			FY 98			FY 99	
ents	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	H	000\$	Each	000\$	000\$	Each	000\$	\$000	Each	000\$	000\$	Each	\$000
1. Soil Density/Moisture Tester (R071) 2. Steel Wheel Roller (R035) 3. Towed Roller (R034) 4. Water Distributor (M031) 5. MCAP Kits 6. Small Explacement Excavator Lights (R048) 7. T-4 Dozer (M051) 8. Crushing/Screening Plant (M070) 9. Tilt Trailer (M021)		1048 240 135 630	27 E - 0	70 20 70 70	376 1943	1	1945	230		230	1379	2 6	. 42
All items coded A or B above are nondevelopmental items. As such, they are coded "A" if type classified "standard" and currently being fielded; coded "B" if they are type classified "generic" and have not yet achieved material release (Final approval for service use).													
TOTAL		2055			2319			825			1929		

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
01	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					PUSHI	PUSHER TUG, SMALL (M44500)	4500)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	ım Elements:						
				¥		:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			1	2	7	1						9
Gross Cost	0.0	0.0	3.8	7.6	9.9	4.3	0.0	0.0	0.0	0.0	0.0	22.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	3.8	7.6	9:9	4.3	0.0	0.0	0.0	0.0	0.0	22.3
Initial Spares												
Total Proc Cost	0.0	0.0	3.8	7.6	6.6	4.3	0.0	0.0	0.0	0.0	0.0	22.3
Flyaway U/C												
Wpn Sys Proc U/C												

diesel inboarddrive, pilothouse control, five berths, dinette with seating for four and two diesel engine driven (DED) generators. The mission of the tug is to provide towing operating in Sea State 3. It has a capability of reaching a minimum of 8 knots sustained speed when fully loaded, no tow, in Sea State 2. It has twin propulsors with twin of general cargo barges in harbors, inland waterways, and along coastlines. It will also assist larger tugs in the performance of heavier utility work such as: docking & DESCRIPTION: The Small Tug, 900 class is a steel hull craft approximately 60 feet in length with a maximum draft of 8 feet when fully loaded and is capable of undocking ships of all sizes, movement of floating cranes, floating machine shops, and line handling duties. Current program is for seven tugs with a total Army requirement of eight tugs.

JUSTIFICATION: FY 99 continues procurement of the pusher tug. The Army has a mission to fully support deployment and sustainment of forces during port operations cheaper to build new, large-engined Tugs which can operate effectively in Sea State 3, rather than modify the 40 year-old Small Tugs. The first vessel will go to the 7th Group, along with vessels 3 and 4. The 2nd vessel is scheduled for delivery to the 949th, Curtis Bay, MD. The requirements for the Small Tugs have been validated by whether fixed or Logistics-Over-The-Shore (LOTS). During Operation Desert Shield/Storm it became very apparent that the 40 year-old Small Tugs could not be relied upon to move the various types of barges, lighters, and cranes within and without the harbor during any type of severe weather. Cost estimates have shown that it is the Army Strategic Mobility Plan (ASMP) and the Army Watercraft Master Plan (AWMP).

Item No. 158 Page 1 of 6

Exhibit P-40, Budget Item Justification Sheet

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	1get Activity/	Serial No: / Other Support		P-1 Line Item PUSHE	P-1 Line Item Nomenclature: PUSHER TUG. SMALL (M44500)	(M44500)		Weapon System Type:		Date:	Cohymany 1000
1800	ļ	_	Equipment										0001 6100
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	-	Qty	UnitCost	TotalCost	Q _t	UnitCost	TotalCost	Q.	UnitCost	TotalCost	Qty	UnitCost
	Ц	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
 Hardware Documentation Engineering 	∢	2649 706	-	2649	6744 55	ю	2248	4484	N	2242	2342	-	2342
In -House Contractor 4 Engineering Change Orders		128 50 125			150 80			234			189		
5. Testing (Acceptance/Engineering Change)		72			100			244			240		
6. Auxiliary Equipment		72			370			977			1023		
Quantities shown here are current and may differ from P1/P40				MA									
			#1 2 (22)		****								
				 									a
TOTAL		3802			7599			6597			4269		

	Exhibit P-5a, Budget Procurement History and Planning	History an	d Planning					Date: Fe	February 1998	84
ropriation / Budget Activity/Serial No:		Weapon System Type:	Type:		P-1 Line Item Nomenclature:	Jomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						PUS	PUSHER TUG, SMALL (M44500)	(M44500)		
Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ντο	Unit Cost	Specs	Date F Revsn	RFP Issue
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76	Orange Shipbuilding, Orange, TX.	Ę	ACOM	Apr-97	Aug-98	- ო	2248			
98	TBS	C/FP(Opt) TACOM	-ACOM	Jun-98	Apr-99	0	2242	YES	Y Z	
60	TBS	C/FP(Opt) TACOM	ACOM	Mar-99	Jan-00	_	2342	YES	A/N	
AARKS: Cost officionalise was obtained the use of eating of parties in line of the line of	the resistance of contract the resistance of the	3		00/1				1		
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Appropriation / Budget Activity/Serial No:

WBS Cost Elements: Fiscal Years HARDWARE

FY96 FY97 FY98 FY99

Cost efficiencies were obtained through the use of option clauses resulting in lower costs after FY96 (economies of scale for the builder). June 98 award date reflects requirement for prior completion of First Article Test. REMARKS:

Item No. 158 Page 3 of 6 190

Exhibit P-5A, Procurement History and Planning

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 ftem Nomenclature:	ë:					
₩.	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	Equipment					FLOATING	FLOATING CRANE, 100-250 TON (M32400)	N (M32400)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				4								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
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Gross Cost	0.0	0.0	0:0	13.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	27.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0:0	13.9	13.7	0.0	0.0	0.0	0:0	0.0	0.0	27.6
Initial Spares												
Total Proc Cost	0.0	0.0	0:0	13.9	13.7	0.0	0.0	0.0	0.0	0.0	0.0	27.6
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Floating Crane will be constructed of steel and capable of off-loading existing and projected shipping through the year 2020. The crane must be transportable on Float On/Float Off (FLO/FLO) ships, have living accommodations (berthing, cooking, and sanitation) for 15 persons; and have heating, ventilation, and air conditioning. The crane must operate on diesel and/or Jet Propellant - 8 (JP-8) fuel for 30 days without refueling. It must be operational during night operations and while soldiers are dressed in Mission Oriented Protective Posture IV (MOPP IV) clothing.

Item No. 159 Page 1 of 5 194

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment	dget Activity/ IREMENT / 3 Equipment	Serial No: // Other Support		P-1 Line Item FLOATING (P-1 Line Item Nomenclature: FLOATING CRANE, 100-250 TON (M32400)	TON (M32400)		Weapon System Type:		Date: Febri	February 1998
OPA	<u>a</u>		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	_	Ωŧy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
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OTHER PROCUREMENT / 3 / Other Support Equipment						FLOATING	FLOATING CRANE, 100-250 TON (M32400)	TON (M324	(00	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTΛ	Unit Cost		Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware FY97	BOLLINGER SHIPYARD LOCKPORT, LA	C/FP (OPT)	TACOM	Apr-97	Jun-98		12900	YES	A/N	
FY98	BOLLINGER SHIPYARD LOCKPORT, LA	C/FP (OPT)	TACOM	Feb-98	Jan-99	_	12670	YES	N/A	
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Item No. 159 Page 3 of 5 196

Exhibit P-5A, Procurement History and Planning

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Item No. 159 Page 5 of 5 198

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justific	ation Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	JI No:					P-1 Item Nomenclature:	ıre:					
TO.	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support &	Equipment					CONTAINERIZE	CONTAINERIZED MAINTENANCE FACILITY (M11300)	CILITY (M11300)		
Program Elements for Code B Items:	S:			Code:	Other Retated Program Elements:	am Elements:						
	0604804A, Project D461	roject D461		8								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty						1		-				2
Gross Cost	0.0	0.0	0.0	0.0	0.0	5.3	0.0	1.0	0.0	0.0	0.0	6.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	5.3	0.0	1.0	0:0	0.0	0.0	6.3
Initial Spares			,									
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	5.3	0.0	1.0	0.0	0.0	0.0	6.3
Fiyaway U/C												
Wpn Sys Proc U/C												
T INCITATION TO		1 1 4	') railias Toon		itilian familia	E) will be reasir facilities because in one sides everyable laterational Standards Organization (ISO)	o popio ono	al oldobaoa,	O longitudity	Andrew Or	Ol) noitorinos	6

Procurement Funding support. The system is currently undergoing technical review by the engineering and user communities to determine suitability from requirements, containers The rapidly deployable, lightweight containerized system will supplant the existing Floating Machine Shop (FMS). The system consists of four shops in four Code B Data: The Containerized Maintenance Facility is intended to replace the Floating Machine Shop and supporting Barge Cargo Deck Enclosure on a one for one separate containers; a machine/welding shop; an air conditioning/hydraulic shop; an engine/component rebuild shop; and a communications/electronic repair shop. A basis. Development Test and Evaluation (DTE) is scheduled for May 99. Delivery of first unit is scheduled for May 2000, with Operational Test and Evaluation (OTE) DESCRIPTION: The Containerized Maintenance Facility (CMF) will be repair facilities housed in one-sided-expandable International Standards Organization (ISO) single two-sided-expandable shelter will be used to house a shop office. Two additional ISO containers will be used to hold support equipment and spare parts. scheduled for Aug 2000. The CMF is also supported with Research & Development funds from Program Element (PE) 0604804A, Project D461 in addition to safety and reliability perspectives.

The DS/GS maintenance is required immediately upon arrival of Army watercraft. The FMS is not self-deployable; it requires an ocean-going tug or transport by a Heavy JUSTIFICATION: FY 99 procures 3 CMFs. The Army must be able to fully support deployment and sustainment of forces in an overseas operational environment, to requirement, it is imperative that Army watercraft be provided both Direct Support Maintenance and General Support Maintenance (DS/GS) in the operational theater. Lift Preposition Ship (HLPS) to move it into a theater of operation. The CMF is a modular system which is easily transported on numerous vessels and is readily emplaced in service. Based on latest information in Army Strategic Plans, it is anticipated that the first FY99 CMF will be placed in prepositioned war reserves. include conducting port-type operations in either fixed-port facilities or in Logistics-Over-The-Shore (LOTS) operations. To meet and fully support this mission

Exhibit P-5, Weapon	∀.	Appropriation/ Budget Activity/Serial No:	iget Activity	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:		Ĺ	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUI	REMENT / 3	OTHER PROCUREMENT / 3 / Other Support Faultoment		CONTAINE	CONTAINERIZED MAINTENANCE FACILITY	ANCE FACILITY				Februi	February 1998
OPA	₽		FY 96			FY 97	(MI 1300)		FV 98			EV 80	
ents	8	TotalCost	Qty	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	Otv	UnitCost
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1. Hardware 2. Documentation 3. Engineering In-House 4. Testing	0										5187 45 25 43		1729
Quantities shown are current and may differ from P1/P40													
TOTAL											5300		

Item No. 160 Page 2 of 5 200

Exhibit P-5, Weapon System Cost Analysis

								Date:		
	EXHIBIT P-5a, Budget Procurement History and Planning	listory ar	nd Planning					ιĽ	February 1998	88
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					<u>ರ</u>	ONTAINERIZE	CONTAINERIZED MAINTENANCE FACILITY (M11300)	FACILITY	(M11300)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	γτο	Unit Cost	Specs	Date F	RFP Issue Date
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1. Hardware									-	
FY99	Construction Battalion Center	MIPR	TACOM	Mar-99	Mar-00	n	1729	YES	A/N	
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REMARKS:										

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FY 98 / 99 BUDGET PRODUCTION SCHEDULE		TION SC		LE			_		Ô	TAINE	CONTAINERIZED MAINTENANCE FACILITY (M11300)	MAINT	ENANC	E FAC	ILITY (I	A1130C								February 1998	866		
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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifice	ition Sheet					February 1998		
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Ď	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support	Equipment					CAUSI	CAUSEWAY SYSTEMS (R97500)	17500)		
B Items:	3:			Code:	Other Related Program Elements:	ım Elements:						
				∢ :								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
	75.8	1.0	0:0	0.0	0.0	17.1	18.1	18.6	9.0	10.2	0.0	149.8
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ogram Elements for Code B Items.

ess PY Adv Proc Plus CY Adv Proc

Gross Cost Proc Qty

Net Proc (P-1) nitial Spares **Total Proc Cost**

Flyaway U/C

Wpn Sys Proc U/C

flexor and shear connector system. The three systems are stand alone; however, they are constructed from the same basic building blocks. They are interoperable, but DESCRIPTION: The Causeway Systems include the Floating Causeway (FC), the Powered Causeway (PC), and the Roll On/Roll Off Discharge Facility (RRDF). The Organization (ISO) compatible modules. Each section is capable of transporting up to 100 short tons with 12 inches of freeboard and is fitted with the Navy designed unacceptable. They are composed of sections that are nominally 80 feet by 24 feet by 4.5 feet. The sections are composed of modular, International Standards components provide a means to move cargo across unimproved beaches in areas of the world where fixed port facilities are unavailable, denied, or otherwise not interdependent.

The shortage of RRDF systems extends the discharge time from Large Medium Speed Roll On/Roll Off (LMSR) ships by 700 percent. The lack of RRDF requires that all cargo be lifted off the vessel during Logistics-Over-The- Shore (LOTS) operations, even when the vessel is a LMSR (i.e., equipped with a Roll On/Roll Off) ramp. The first JUSTIFICATION: FY 99 procures 2 Roll On/Roll Off Discharge Facility (FFDF). The RRDF shortfall is the most critical of the modular causeway system procurements. RRDF will go to the 331st Causeway Company, Ft. Eustis, Va. The other RRDF system will go in the Army War Reserve (Prepositioned).

Item No. 161 Page 1 of 4 204

Budget Item Justification Sheet Exhibit P-40,

bit P-5,	Ť	Appropriation/ Budget Activity/Serial No:	dget Activity/	Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:	10000000		Weapon System Type:		Date:	
OPA Cost Analysis		UINER PROCE	Equipment	v Orner Support		HO/HO DI	HO/HO DISCHAHGE PLATFOHM (H09800)	-OHM (H09800)				Febr	February 1998
OPA	ᅃ		FY 96			FY 97			FY 98			FY 99	
ients	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qfy	UnitCost
	+	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1. Hardware 2. Documentation 3. Engineering In-House Contractor 4. Engineering Change Orders 5. Royalties 6. Testing (Operational Testing) 7. STS (System Intergration)	₹										14110 1125 175 147 441 860 125	a	7055
TOTAL											17083		

Exhibit P	Exhibit P-5a. Budget Procurement History and Planning	listory and	d Planning					Date: Fe	Fobrusey 1998	
Appropriation / Budget Activity/Serial No:	6	Weapon System Type:	Type:		2.4 Line from	D. 1 Jing Ilom Nomonalatura.			oldaly 199	
OTHER PROCUREMENT / 3 / Other Support Equipment				_	The refin	Nomenciature: RO/RO DIS	nendature: RO/RO DISCHARGE PLATFORM (R09800)	390H) MHC	(OC	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩT	Unit Cost	Specs	e su	RFP Issue Date
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HARDWARE FY99	TBS	C/FP/OPT TACOM	ACOM	Dec-98	Dec-99	2	7055	YES	A/N	Aug-98
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Item No. 161 Page 3 of 4 · · 206



FY 98 / 99 BUDGET PRODUCTION SCHEDULE	COC	TION SC	HED	JLE			<u>.</u>	P-1 item Nomenclature: RO/RC	Nome	nclatu	re: J/RO D	ature: RO/RO DISCHARGE PLATFORM (R09800)	NGE I	LATE) WHC	R0980	<u></u>				<u> </u>	Date:			_ <u>.</u>	bruary	February 1998			
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	ŵ	hibit P-40,	Exhibit P-40, Budget Item Justification Sheet	em Justifi	cation She	iet				February 1998		
Appropriation / Budget Activity/Serial No:	/Serial No:					P-1 flem Nomenclature:	ature:					
ОТНЕР	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Suppor	rt Equipment					RAILWAY C.	RAILWAY CAR, FLAT, 100 TON (M37000)	N (M37000)		•
Program Elements for Code B Items:	Items:			Code:	Other Related Program Elements:	ogram Elements:						
		:		4								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002.	FY 2003	FY 2003 To Complete Total Prog	Total Prog
Proc Oty	432	140	9/	138		148	101					1035
Gross Cost	41.0	14.6	8.3	13.7	0.0	12.8	5.1	0.0	0.0	0.0	0.0	95.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	41.0	14.6	8.3	13.7	0.0	12.8	5.1	0.0	0.0	0.0	0.0	95.5
Initial Spares												
Total Proc Cost	41.0	14.6	8.3	13.7	0.0	12.8	5.1	0.0	0.0	0.0	0.0	95.5
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Funding is for the acquisition of 89 foot railcars of a design type already approved by the Association of American Bailroads	Funding is	or the aco	isition of 8	9 foot rails	ars of a des	sion type all	ready appr	thy the	Association	on of Amer	ican Bailros	spe

(COFC) railcars being acquired with FY97 funds are reconditioned rather than new. The additional multi purpose cars needed in FY99 and FY00 are not available in the used market. The Army has made two unsuccessful tries, FY 95 and FY 97 at procuring used Multi-Purpose Cars. In FY 95, there were no bidders and the Army had to buy new cars. For FY 97, the Army was also unable to procure Multi-Purpose Cars and had to approved by the Joint Chiefs of Staff (JCS) in January 1992, and per the Army Strategic Mobility Plan (ASMP). The Containers on Flat Cars settle for its second priority, used 89 foot COFC. FY97 deliveries are to Tooele Army Depot, Lexington Blue Grass Army Depot, Crane, and (AAR). Railcars are to be prepositioned at select Army installations per the congressionally mandated Mobility Requirements Study (MRS) McAlister.

with the forces becoming increasingly CONUS based. Under the ASMP, the lead brigade at select installations must be fully outloaded to the port Desert Shield/Desert Storm) has shown that it takes an average time of seven to ten days to order and receive commercial railcars for outloading JUSTIFICATION: FY 99 procures 117 rail cars. Prepositioning of railcars at Army installations is essential for mobilization purposes, especially mobilization requirements in response to regional threats/conflicts, it is essential that the Army acquire and preposition railcars at installations purposes. Additionally, industry is retiring many of their fleet of flatcars with no intention of replacement. As such, to meet the C+2 and C+6 of embarkation in C+2 days, with an entire division to be outloaded in C+6 days. Experience with the railroad industry (as evidenced during such as Ft. Hood, Ft. Campbell, Ft. Stewart, Ft. Bliss and Ft. Benning. The acquisition of railcars is required to outload combat and combat support equipment in the time frames required, thereby greatly enhancing our warfighting capability.

Date Tem Justification Sheet	P-1 liem Nomenclature RAILWAY CAR, FLAT, 100 TON (M37000)	Code Other Related Program Elements A
Exhibit P-40C Budget Item Justification Sheet		
	Appropriation / Budget Activity/Serial No. OTHER PROCUREMENT / 3 / Other Support Equipment	Program Elements for Code B Items

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	Budget Acti	vity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	Jre:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other	PROCUREMENT / :	IT / 3 / Other		RAILN	RAILWAY CAR, FLAT, 100 TON	r, 100 TON				Febru	February 1998
Vac	₽	di di	FY 96			FY 97	(M3/000)		FV 98			EV 00	
Cost Elements	CD	TotalCost	ρţ	UnitCost	TotalCost	λô	UnitCost	TotalCost	à	UnitCost	TotalCost	_	UnitCost
			Each	\$000	\$000	Each	\$000	\$000	Each	\$000	-	₽	\$000
1. Hardware Railway Car, 89 Foot Multi-Purpose (New Railway Car, 89 Foot, Container on Flatcar (COFC) (Reconditioned)	∢	8324	76	110	13741	321	43				12804	117	109
Quantities shown are current and may differ from P1/P40													
												, 100 - 100	
TOTAL		8324			13741						12804		

Item No. 162 Page 3 of 7 210

								500		
	Exhibit P-5a, Budget Procurement History and Planning	listory an	nd Planning					Dage.	February 1998	866
Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						RAILWAY	RAILWAY CAR, FLAT, 100 TON (M37000)	TON (M37	(000	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	OTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?		
1. Hardware										
FY97 Railway Car, 89 Foot, Container on Flatcar (COFC) (Reconditioned)	BOSTON TRANSIT GROUP, MA	C/FP	ATCOM	Aug-97	Dec-97	321	43	YES	N/A	
FY99, Railway car, 89 Foot, New	TBS	C/FP	TACOM	Mar-99	Oct-99	117	109	YES	N/A	
REMARKS:										

EV 08 / 90 PINCET BROWN SCHEDING		O NOIT		=			P-1	P-1 Item Nomenclature:	nencla	ature:	i		į						Date:	.: G						
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Item No. 162 Page 7 of 7 214

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
то	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support b	=quipment					ITEMS LESS TH	ITEMS LESS THAN \$2.0M (FLOAT/RAIL) (ML5355)	1AIL) (ML5355)		-
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
:				¥								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	46.7	2.0	2.0	3.7	9.0	3.2	6.5	6.3	4.2	3.2	0.0	86.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	46.7	2.0	2.0	3.7	9.0	3.2	6.5	6.3	4.2	3.2	0.0	86.8
Initial Spares												
Total Proc Cost	46.7	2.0	2.0	3.7	9.0	3.2	6.5	6.3	4.2	3.2	0.0	86.8
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Railroad equipment consists of locomotives, rolling stock, track maintenance equipment, etc., used to support Army ammunition plants, Army Materiel Command (AMC) depots, and Forces Command (FORSCOM) and Training and Doctrine (TRADOC) installations in peacetime and and and installation missions. Funding for Float items is for the acquisition of six Roll-on/Roll off Discharge Facility (RRDF) to support C3 Readiness Objective. The Modular Cataseway Components provide a floating platform interface between Roll-on Roll-off (RO/RO) ship and lighters for the discharge of rolling cargo during Logistics Over The Shore (LOTS) operations.

JUSTIFICATION: In FY 99, these items provide for the replacement of overage, logistically unsupportable assets.

ammunition manufacturing process, and in the movement of completed ammunition to distribution points. This railroad equipment meets Federal Railroad Administration 1. Boxcar, (M377, 50 Ton, 50 Foot: The Boxcar will provide a safe, secure means for the holding, transportation, and handling of hazardous materiels used in the (FRA) standards and increases Army munition Plant readiness capabilities.

2. Flatcar. (M371), 50 Ton: The flatcar will provide a safe, secure means for the transportation and handling of hazardous materiels used in ammunition manufacturing process, and in the movement of completed ammunition to distribution points. The railroad equipment meets FRA standards and increases Army munition Plant readiness capabilities.

88		UnitCost	\$000 44 44	
February 1998		_	0.14	
Date:	FY 99	ð	E	10
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Weapon System Type:		UnitCost	\$000 000 4.5 3.4 3.5 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	
	FY 98	Qty	1 1	
(FLOAT/RAIL)		TotalCost	\$000 1999 1919 1213 1604 1300	
P-1 Line Item Nomenclature: ITEMS LESS THAN \$2.0M (FLOAT/FIAIL) (MA5355)		UnitCost	\$000 38 38 38	
P-1 Line Iter ITEMS LE	FY 97	Qty		
		TotalCost	\$000 1999 1708	3707
Serial No: / Other Support		UnitCost	\$000 28 38	
dget Activity/ REMENT / 3 Equipment	FY 96	Qty	52 14	
Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment		TotalCost	\$000 1472 528	2000
	₽	CO	44444	
Exhibit P-5, Weapon OPA Cost Analysis	OPA	Cost Elements	BOXCAR, (M377), 50 TON, 50 FOOT FLATCAR, 50 TON (M371), 50 TON MODULAR CAUSEWAY SECTION CAUSEWAY LIGHTING CAUSEWAY ANCHOR SYSTEM CAUSEWAY ANCHOR SYSTEM	TOTAL

Item No. 163 Page 2 of 2 216

Exhibit P-5, Weapon System Cost Analysis

		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ře:					
-TO	HER PROCUREME	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					GENERATORS,	GENERATORS AND ASSOCIATED EQUIP (MA9800)	QUIP (MA9800)		
Program Elements for Code B Items:	i iii			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty)
Gross Cost	1286.9	26.1	12.5	27.3	7.5	82.7	81.5	90.0	47.6	71.9		1734.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1286.9	26.1	12.5	27.3	7.5	82.7	81.5	0'06	47.6	71.9		1734.0
Initial Spares												
Total Proc Cost	1286.9	26.1	12.5	27.3	7.5	82.7	81.5	0.06	47.6	71.9		1734.0
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The Tactical Quiet Generators (TOG) and 2kW Military Tactical Generator (MTG) diesel programs are a result of Army and DoD direction to replace the	Tartinal O	niet Generator	re (TOG) and	2kW Militan	, Tactical Go	nerator (MTG	Aiseal pro	rome are a	Army of Arms	ים רוסרו לימני	rootion to ron	4 000

current generator fleet. The current fleet is overaged and does not meet current user requirements. These requirements are designed to introduce into the DoD inventory DESCRIPTION: The Lactical Gulet Generators (TGG) and ZKW Military Tactical Generator (MTG) diesel programs are a result of Army and DoD direction to replace the a new family of generators (sizes 2kW through 60kW) that will satisfy the user requirements for:

- 1. Reduction in detection by threat forces of 80% (low operating noise and infrared suppression)
- Improved ground mobility for power units/power plants (PU/PP) (trailer mounted generator sets).
- Improved reliability and lower operating and support costs (reduction in scheduled maintenance, reduction in fuel consumption).
 - 4. Improved battlefield survivability (high altitude electromagnetic pulse protection).
 - Single fuel on the battlefield (diesel/JP8).
- 6. Reduced generator requirements by utilizing the Distribution Illumination System Electric (DISE).

The generators and associated equipment budget line is a roll line containing some 40 separate generators, power plants/power units and associated equipment.

JUSTIFICATION: FY99 funds will provide for the replacement of the current fleet of overaged, gasoline fueled generators with modernized diesel assets that will enhance the user's safety and survivability. These modernized mobile generators provide electrical power to virtually every weapon, communication, medical and combat support system in the Army inventory. FY99 continues the production and fielding of 2kW and 5-60kW TQG skid mounted generator sets, power units and power plants in support of Force Package I and II. FY99 initiates production/fielding of the new 3kW TQG skid mounted generator set, and power plants for Force Package I. Budget Item Justification Sheet

Exhibit P-40,

Ω١	Ė	Appropriation/ Budget Activity/Serial No:	iget Activity/	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:		_	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3 Equipment	/ Other Support		GENERAT	GENERATORS AND ASSOCIATED EQUIP	CIATED EQUIP				Feb	February 1998
OPA	₽		FY 96			FY 97	(MASSOU)		FY 98			FY 90	
Cost Elements	СО	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q Çţ	UnitCost	TotalCost	λįσ	UnitCost
		\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
2kW Military Tactical Generator	⋖	6034			5264			1304			9412		
3kW Tactical Quiet Generator	Ф										13730		
5kW Tactical Quiet Generator	∢			•	3412			337			14471		
10kW Tactical Quiet Generator	∢	72	··		4138			337			13113		
15kW Tactical Quiet Generator	⋖				1785			337			4421		
30kW Tactical Quiet Generator	∢	2186			823			923			2178		
60kW Tactical Quiet Generator	۷	2731			823			923			4372		
Power Units / Power Plants (Various Configurations)	٧	273			8313			2065			18563		
Distribution Illumination Systems Electrical	∢				350						497		
Readiness Incentives		1184			2400			1300			1992		
TOTAL		12480			27308			7526			82749		
									2////2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2				
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Item No. 164 Page 2 of 53 218

Exhibit P-5, Weapon System Cost Analysis

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
отнея	OTHER PROCUREMENT /Other Support Equipment / 53600426	ther Support Equipme	ant / 53600426					2 KW MILI	2 KW MILITARY TACTICAL GENERATOR	NERATOR		
Program Elements for Code B Items:	ij			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty			672	1143	106	2135	1910	2427				8393
Gross Cost	0:0	0.0	6.0	5.3	1.3	9.4	8.5	10.9	0.0	0.0		41.4
Less PY Adv Proc							-					
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.9	5.3	1.3	9.4	8.5	10.9	0.0	0.0		41.4
Initial Spares												
Total Proc Cost	0.0	0.0	6.0	5.3	1.3	9.4	8.5	10.9	0.0	0.0		41.4
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: 20W Military Tactical Generator Manacotable/Skid Mounted Discell 108 fueled AC (60Hz) and DC (28V/de)	A/ Militory Toy	otion Conord	tor Mannort	phlo/Skid Mc	Cocio Potario	1/ 100 fundad	AC (-1109) OA	7100/ JU Pu	(0)			

DESCHIPTION: 2kW Military 1 actical Generator, Manportable/Skid Mounted, Diesel/JPB tueled, AC (60Hz) and DC (28Vdc)

JUSTIFICATION: FY99 continues the production and fielding of skid mounted generator sets in support of Force Package I and II. This program will replace existing overaged gasoline engine driven sets with modernized new assets with improved reliability, reduced noise signatures, and diesel/JP8 fueled engines. These new modernized sets will replace gasoline fueled generators supporting the following systems:

MISSILE/AIR DEFENSE SYSTEMS:

Avenger

- Tactical Command/Control/Intelligence Computer Systems

COMBAT SERVICE SUPPORT:

- Field Feeding Systems

- Unit Administrative Centers

COMMUNICATION SYSTEMS:

- Radio Terminal Systems (BCR 11)
 - Radio Relay/Repeater System
- Satellite Communication Systems

bit P-5,	∢`	Appropriation/ Budget Activity/Serial No:	get Activity/5	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:		-	Weapon System Type:		Date:	
UPA Cost Analysis		Equipm	Equipment / 53600426	426		Z NW WILL	IART IACTICAL	GENERATOR				Febru	February 1998
	aı		FY 96			FY 97			FY 98			FY 99	
Cost Elements	S	#	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty -	UnitCost
	H	\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
 Item Hardware 2kW/60Hz AC - M59400 2kW/DC - M59300 (Competitive) 2kW/60Hz AC - M59400 (Competitive) 	⋖	3250 42 1412	650 6 16	7 88	971	250 893	4 4	452	106	4	2006	2135	4
2. Engineering Government		325			438			572			275		
3. Engineering Change Orders		325			75			280			100		
4. Acceptance Testing		380											
5. Data		300		-		· · · · · · · · · · · · · · · · · · ·			•				
TOTAL		6034			5264			1304			9412		

Item No. 164 Page 4 of 53 . . 220

Exhibit P-5, Weapon System Cost Analysis

Item No. 164 Page 5 of 53 221	Exhibit P-5A, Procurement History and Planning

Exhibit !	Exhibit P-5a, Budget Procurement	History ar	ement History and Planning					Date:	February 1998	866
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature;	lomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53600426						2 KW MILI	2 KW MILITARY TACTICAL GENERATOR	GENERAT	OR	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	νтο	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
2kW/60Hz / AC M59400										
FY97	Dewey Electronics, Oakland, NJ	C/FP-R5(1)	CECOM	May-97	Jan-98	770	4		-	
FY97	Dewey Electronics, Oakland, NJ	C/FP-R5(1)	CECOM		Mar-98	123	4			
FY98	Dewey Electronics, Oakland, NJ		CECOM		Sep-98	106	4	Yes		
FY99	Dewey Electronics, Oakland, NJ	C/FP-R5(3)	CECOM	Jan-99	Sep-99	2135	4			
2kW / DC M59300										
FY97	Dewey Electronics, Oakland, NJ	C/FP-R5(1) CECOM	CECOM	May-97	Jan-98	250	4	Yes		
					•					
						100				
HEMARKS:										

Competitive solicitation resulted in award of a five year requirements type contract to Dewey Electronics Corp, Oakland, NJ, in Aug 96.

PCO change from ATCOM to CECOM is due to BRAC 95 realignment.

							P-1 Iten	P-1 Item Nomenclature:	nclature										Date:	ii			l				Г
FY 98 / 99 BUDGET PRODUCTION SCHEDULE	2	N SC			ı				2 K	2 KW MILITARY TACTICAL GENERATOR	4RY TA	CTICA	r GEN	ERATC	Œ				_				ebruar	February 1998			
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Item No. 164 Page 6 of 53 222

Exhibit P-21, Production Schedule

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FY 98 / 99 BUDGE! PRODUCTION SCHEDULE	NO I O	SCE	EDULL	I					2 X	2 KW MILITARY TACTICAL GENERATOR	TARY	TACTIC	AL GE	NERAT	OB								Febru	February 1998	38		
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Item No. 164 Page 8 of 53 224

Exhibit P-21, Production Schedule

		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
ОТНЕ	OTHER PROCUREMENT /Other Support Equipment / 53600426	ther Support Equipme	ant / 53600426					3KW TAC	3KW TACTICAL QUIET GENERATOR	RATOR		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty						1500	2356	2356	2356	2356		10924
Gross Cost	0.0	0.6	0.0	0.0	0.0	13.7	20.4	20.4	20.4	20.4		95.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	9.0	0.0	0:0	0.0	13.7	20.4	20.4	20.4	20.4		95.9
Initial Spares												
Total Proc Cost	0.0	9.0	0.0	0.0	0.0	13.7	20.4	20.4	20.4	20.4		95.9
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: 34M Tactical Oniat Generator Skid Mountage	M Tactical O	ijet Generato	y Skid Mour	ted Diesel Eugled	Fueled							

DESCRIPTION: 3KW lactical Quiet Generator, Skid Mounted, Diesel Fueled

noise levels, reducing weight, providing high altitude electromagnetic pulse protection, and increasing infrared signature suppression. Some of these generators will be used as components of the power plant production program. These new modernized sets will support the following systems: JUSTIFICATION: FY 99 funds will replace existing gasoline fueled generator sets with modernized assets that increase safety and survivability by reducing operating

- Avenger
- Mobile Subscriber Equipment
 - Patriot Missile
 - THAADS
- Multiple Launch Rocket System Numerous communication and combat support systems

Cost Elements			Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
Cost Elements Post Cost El	Sosi		Equip	ment / 536c	10426		ANYS	ACTICAL QUIET	JENERATOR				Febr	uary 1998
Cost Elements	OPA	Q		FY 96			FY 97			FY 98			FY 99	
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oduction Qualification Testing Oduction Qualification Testing 13730												275		
Oduction Qualification Testing	3. Engineering Change Orders											100	,	
	4. Preproduction Qualification Testing											909		
	5. Data								•	<u> </u>				
	TOTAL											13730		
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Item No. 164 Page 10 of 53 226

Exhibit P-5, Weapon System Cost Analysis

	Exhibit P	Exhibit P-5a. Budget Procurement History and Planning	ent History a	nd Planning					Date:	February 1998	8
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item I	P-1 Line Item Nomenclature:				
отнев Ряос	OTHER PROCUREMENT /Other Support Equipment / 53600426				**		3KW TA	3KW TACTICAL QUIET GENERATOR	ENERATOR	~	
WBS Cost Elements:	ıts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTΛ	Unit Cost		Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
FY99											
3kW/60Hz - M58100		TBS	C/FP-R5(3)	СЕСОМ	Apr-99	Dec-99	1500	6			
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						25,					
REMARKS:	A competitive R&D contract was awarded in Sep 96 to Goodman Ball, Menlo Park, CA, Fermont, Bridgeport, CT, and T&J Manufacturing, Oshkosh, WI. There will be a downselect to one supplier in Jan 98.	led in Sep 96 to Goodman Ball iler in Jan 98.	, Menlo Park, CA,	. Fermont, Bridgeport, CT, an	d T&J Manı	ufacturing,	Oshkosh, V	MI			

Item No. 164 Page 11 of 53 .. 227

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Item No. 164 Page 12 of 53 228

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Appropriation / Budget Activity/Serial No: OTHER PROCUR Program Elements for Code B Hems:		ייין און און אין	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
OTHER PROCUR Program Elements for Code B Items:						P-1 Item Nomenclature:	:e:					
Program Elements for Code B Items:	SEMENT /Other	OTHER PROCUREMENT /Other Support Equipment / 53600426	ıt / 53600426					SKW TAC	SKW TACTICAL QUIET GENERATOR	RATOR		
				Code:	Other Related Program Elements:	ım Elements:		:				
Prior	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		100		300		1425	1472	2163	622	1197		7436
Gross Cost 3	37.6	1.9	0.0	3.4	6.0	14.5	16.9	24.2	9.5	14.0		122.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1) 3:	37.6	1.9	0.0	3.4	0.3	14.5	16.9	24.2	9.5	14.0		122.0
Initial Spares												
Total Proc Cost 3	37.6	1.9	0.0	3.4	0.3	14.5	16.9	24.2	9.5	14.0		122.0
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: 5kW Generator Set, Skid Mounted, Diesel Fueled Tactical Quiet Generator, 60Hz and 400Hz

operating noise levels, reducing weight, providing high altitude electromagnetic pulse protection, and increasing infrared signature suppression. These generators are components of the power unit/power plant production program. These new modernized sets will replace gasoline fueled generators supporting the following systems: JUSTIFICATION: These generators will replace existing overaged gasoline/diesel sets with modernized assets that increase safety and survivability by reducing

WISSILE/AID DETENSE STOTEMS.	50
THAADS	

 Aviation Units PPORT SYSTEMS:

- Command and Control Centers

- AFATDS

- Division XXI

- Multiple Launch Rocket System

- Patriot Missile System - Tow Missile Systems

- Avenger

-Combat Computer Systems

- Satellite Communication Systems

- Radio Relay/Repeater Systems

- Radio Terminal Systems (BCR 11)

COMMUNICATION SYSTEMS: - MSE Tactical Operations Centers

FY99 continue the production and fielding of skid mounted generator sets, power units and power plants in support of Force Package II. Due to component commonality the the 5kW and 10kW, they are to be procured under the same contract and produced on the same production line. Engineering support costs for the TQG programs are not independent, but must be considered in total to maintain program integrity.

Item No. 164 Page 14 of 53

Budget Item Justification Sheet Exhibit P-40,

bit P-5,	₹	Appropriation/ Budget Activity/Serial No:	get Activity/:	Serial No:	-	P-1 Line Iter.	P-1 Line Item Nomenclature:		_	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53600426	PROCUREMENT /Other Equipment / 53600426	Other Support 1426		5KW TA	5KW TACTICAL QUIET GENERATOR	ENERATOR				Febru	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
ents	CD	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	δ	UnitCost
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1. Item Hardware 5kW/60Hz - M53500 5kW/60Hz - M53500 (Rebuy)	<				1971	210	e 0				14096	1425	10
2. Engineering Government					483			287			275		
3. Engineering Change Orders								20			100		
4. Acceptance Test					89								
5. Data													
TOTAL					3412			337			14471		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1

	::::::::::::::::::::::::::::::::::::::	Skilkit D. F. Brown Drown and University D. C.	المفوير وي						Date:		
		r-5a, buaget rioculement n	istory ar	ıd rianınığ					Fe	February 1998	
Appropriation / B	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	domenclature:				
ОТНЕВ РВС	OTHER PROCUREMENT /Other Support Equipment / 53600426						5KW TAC	5KW TACTICAL QUIET GENERATOR	NERATOR		
WBS Cost Elements:	nts:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΟΤΥ	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	_	Avail	
5kW/60Hz - M535 FY97 (Rebuy) FY99		Fermont, Bridgeport, CT Fermont, Bridgeport, CT Fermont, Bridgeport, CT	C/FP-R10(2) ATCOM C/FP-R10(2) CECOM	ATCOM ATCOM CECOM	Mar-97 Jan-99	Mar-98 Jan-00 Jan-00	210 90 1425	6 01 01	Yes Yes Yes		
REMARKS:	Rebuy contract was awarded to Fermont, Bridgeport, CT, in Jun 97. It is a 10 year requirements contract. PCO change from ATCOM to CECOM is due to BRAC 95 realignment. Unit cost is firm fixed price regardless of quantity.	nt, Bridgeport, CT, in Jun 97. It is a 10 s due to BRAC 95 realignment. f quantity.) year requi	rements contract.	- : :	•	1 .			1	

Item No. 164 Page 16 of 53 232

Exhibit P-5A, Procurement History and Planning

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Item No. 164 Page 18 of 53 234

Exhibit P-21, Production Schedule

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifice	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	IfB:					
ОТНЕР	OTHER PROCUREMENT /Other Support Equipment / 53600426	ther Support Equipme	ant / 53600426					10KW TA	10KW TACTICAL QUIET GENERATOR	ERATOR		
Program Elements for Code B Items:	ıs:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
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Gross Cost	49.6	1.7	1.0	4.1	0.3	13.1	14.2	10.8	5.2	6.5		105.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	49.6	1.7	0.1	4.1	0.3	13.1	14.2	10.8	5.2	6.5		105.5
Initial Spares												
Total Proc Cost	49.6	1.7	0.1	4.1	0.3	13.1	14.2	10.8	5.2	6.5		105.5
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DESCRIPTION: 10kW Generator Set, Skid Mounted, Diesel Fueled, Tactical Quiet Generator, 60Hz and 400Hz

weight, providing high altitude electromagnetic pulse protection, and increased infrared signal suppression. These generators are components of the power unit/ power JUSTIFICATION: These generator sets will replace existing generator sets with assets that increase safety and survivability by reducing operating levels, reducing plant production program. These new modernized sets will replace gasoline fueled generators supporting the following systems:

COMMUNICATION SYSTEMS: SUPPORT SYSTEMS: MISSILE/AIR DEFENSE SYSTEMS: - THAADS

Aviation Units

- Command and Control Centers - Laundry Units

- AFATDS - Division XXI

- Multiple Launch Rocket System

- Patriot Missile System Tow Missile Systems

Avenger

Combat Computer Systems

- Satellite Communictions Systems

- Radio Terminal Systems (BCR 11) - Radio Relay/Repeater Systems

- MSE

- Tactical Operations Centers

and 10kW, they are procured under the same contract and produced on the same production line. Engineering support costs for the TQG programs are not independent, FY99 continue the production and fielding of skid mounted generator sets and power units in support of Force Package II. Due to component commonality in the 5kW but must be considered in total to maintain program integrity.

Cost Elements CD Tol 1. Item Hardware 10kW/60Hz - M52900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M55900 10kW/60Hz - M56900 10kW/60Hz -	### ### ##############################	.3600426 .6									editary 1990
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53600426						10KW TA	10KW TACTICAL QUIET GENERATOR	ENERATOF		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αту	Unit Cost	Specs	Date RF Revsn	RFP Issue Date
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10kW/60Hz - M52900 FY97 FY97 (Rebuy) FY99	Fermont, Bridgeport, CT Fermont, Bridgeport, CT Fermont, Bridgeport, CT	C/FP-R3(3) ATCOM C/FP-R10(1) ATCOM C/FP-R10(2) CECOM	ATCOM ATCOM CECOM	Mar-97 Jun-97 Jan-99	Mar-98 Jun-98 Jan-00	210 106 1133	===	Yes Yes Yes		
Rebuy contract was awarded to Fermont, Bridgebort, CT, in Jun 97. It is a 10 year requirements contract.	nt. Bridgeport, CT. in Jun 97. It is a 1	0 vear requi	rements contract.							

EMARKS: Re

Rebuy contract was awarded to Fermont, Bridgeport, CT, in Jun 97. It is a 10 year requirements contract. PCO change from ATCOM to CECOM is due to BRAC 95 realignment. Unit cost is firm fixed price regardless of quantity.

Item No. 164 Page 22 of 53 238

Exhibit P-5A, Procurement History and Planning

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet			Cale:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ë					
ОТНЕЯ	OTHER PROCUREMENT /Olher Support Equipment / 53600426	ther Support Equipme	int / 53600426					15KW TA	15KW TACTICAL QUIET GENERATOR	ERATOR		
Program Elements for Code B Items:	.S:			Code:	Other Related Program Elements:	ım Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		192		130		328	105	371	57	144		1327
Gross Cost	17.2	3.3	0.0	1.8	0.3	4.4	2.2	5.6	1.3	2.5		38.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	17.2	3.3	0.0	1.8	0.3	4.4	2.2	5.6	1.3	2.5		38.6
Initial Spares												
Total Proc Cost	17.2	3.3	0:0	1.8	0.3	4.4	2.2	5.6	1.3	2.5		38.6
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: 15kW Generator Set, Skid Mounted, Tactical Quiet Generator, 60Hz and 400Hz

operating levels, reducing weight, provide high altitude electromagnetic pulse protection, and increase infrared signal suppression. These modernized sets will replace JUSTIFICATION: These generators will replace existing overaged generator sets with modernized assets that increase safety and survivability by reducing noise overaged generators supporting the following systems:

MISSILE/AIR DEFENSE SYSTEMS: SUPPOR

SUPPORT SYSTEMS:
- Water Purification Systems

- Aviation Units

- Modular Print System

- THAADS - Tow Missile - Patriot Missile

- Avenger

- Satellite Communication Systems

- Tactical Operations Centers

- Mobile Subscriber Equipment - Radio Relay/Repeater Systems

COMMUNICATION SYSTEMS:

- Command and Control Centers

- AFATDS

- Division XXI

The FY99 program continues the production and fielding of 15kW TQG sets to Force Package II. Engineering support costs for the TQG programs are not independent, but must be considered in total to maintain program integrity.

Item No. 164 Page 26 of 53 242

Exhibit P-40, Budget Item Justification Sheet

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Seriat No: OTHER PROCUREMENT /Other Support	dget Activity, UREMENT /	Serial No: Other Support	-	P-1 Line Iten 15KW TA	P-1 Line Item Nomenclature: 15KW TACTICAL QUIET GENERATOR	SENERATOR		Weapon System Type:		Date: Febru	February 1998
	9	Ednit	oment / 5360	0426		25.25							
Cost Elements	<u>8</u>	TotalCost	S to	UnitCost	TotalCost	Oţ.	UnitCost	TotalCost	Oty	UnitCost	TotalCost	oty Oty	UnitCost
	H	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
1. Item Hardware 15kW/60Hz - M54900	⋖				1247	110						-	
15KW/40UHZ - M3Z60U 15KW/60Hz - M54900 (Rebuy) 15KW/400Hz - M52600 (Rebuy)					241	20	12				3498 548	290	12
2. Engineering Government					229			287			275		
3. Engineering Change Orders								50			100		
4. Acceptance Testing					89								
5. Data													
TOTAL					1785			337			4421		
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Fichichie	Exhibit D.59 Budget Drougement History and Dlanning	lietory ar	d Diamina					Date:		
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCOREMENT / Other Support Equipment / 33600426						15KW I	15KW IACTICAL QUIET GENERATOR	ENERATO		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΛTΩ	Unit Cost	Specs	Date R Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
15kW/60Hz - M54900 FY97 FY97 (Rebuy) FY99	Fermont Fermont Fermont	C/FP-R3(3) ATCOM C/FP-R10(1) ATCOM	ATCOM ATCOM CECOM	Mar-97 Jun-97 Jan-99	Mar-98 Jun-98 Jan-00	110 20 290	11 12 12	Yes Yes Yes		
15kW/400Hz - M52600 FY99	Fermont	C/FP-R10(2) CECOM	CECOM	Jan-99	Jan-00	38	4	Yes	-	
REMARKS: Rebliv contract was awarded to Formont Bridgeport CT in I.I.	t a sist to and at TO proposed to	o year	07 It is a 40 year requirement and the a it is 0.00							

Rebuy contract was awarded to Fermont, Bridgeport, CT, in Jun 97. It is a 10 year requirements contract. PCO change from ATCOM to CECOM is due to BRAC 95 realignment. Unit cost is firm fixed price regardless of quantity.

Item No. 164 Page 28 of 53

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i		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet			Cate:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Olher Support Equipment / 53600426	ther Support Equipmo	ent / 53600426					30KW TAC	30KW TACTICAL QUIET GENERATOR	ERATOR		
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		445	24			117	77	37	15	127		842
Gross Cost	22.7	9.9	2.7	8.0	6.0	2.2	2.1	1.3	0.7	2.6		42.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	22.7	9.9	2.2	8.0	6:0	2.2	2.1	1.3	0.7	2.6		42.1
Initial Spares												
Total Proc Cost	22.7	9.9	2.2	8.0	6.0	2.2	2.1	1.3	0.7	2.6		42.1
Flyaway U/C												
Wpn Sys Proc U/C												
TOOLEGISCO TO												

DESCRIPTION: 30kW Generator Set, Skid Mounted, Tactical Quiet Generator, 60Hz and 400Hz

reducing weight, provide high altitude electromagnetic pulse protection and increased infrared signature suppression. Some of these generators are components of the JUSTIFICATION: These generators will replace exisiting overaged generator sets with assets that increase safety and survivability by reducing operating noise levels, power unit/power plant production program and are required for materiel fielding and sustainment support on the following systems:

MISSILE/AIR DEFENSE SYSTEMS: - THAADS

SUPPORT SYSTEMS:

- Water Purification Systems

- Radio Relay/Repeater Systems - Satellite Communication Systems - Tactical Operations Centers

- Mobile Subscriber Equipment COMMUNICATION SYSTEMS:

> - Modular Print System - Aviation Units

- Patriot Missile - Tow Missile

- Avenger

· Medical Systems

- Command and Control Centers

- Base Support Test Facility

- Division XXI

FY99 will fund production and fielding of generator sets with engines that meet EPA requirements. Due to component commonality in the 30kW and 60kW, they are procured under the same contract and produced on the same assembly line. Engineering support costs for the TQG programs are not independent, but must be considered in total to maintain program integrity.

Item No. 164 Page 32 of 53

Budget Item Justification Sheet Exhibit P-40,

Exhibit	Exhibit P-5a. Budget Procurement History and Planning	History a	nd Planning					Date:		
Appropriation / Budget Activity/Serial No:	6	Weapon System Type:	m Type:		o 4 line learn			ב	Pedruary 1998	
OTHER PROCUREMENT /Other Support Equipment / 53600426					-1 Line item	P-1 Line item Nomenciature; 30KW TA	inciature: 30KW TACTICAL QUIET GENERATOR	ENERATO		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔTY	Unit Cost	Specs	Date R	RFP Issue
Fiscal Years		and Type			Defivery	Each	\$000		Avail	2
30kW/60Hz - M53200 FY96 (First Article) FY99	MCII, Dallas, TX MCII, Dallas, TX	C/FP-R5(1) ATCOM	ATCOM CECOM	Aug-96 Jan-99	Feb-98 Jan-00	18	28 15	Yes		
30kW/400Hz - M50100 FY96 (First Article) FY99	MCII, Dallas, TX MCII, Dallas, TX	C/FP-RS(1) ATCOM	ATCOM CECOM	Aug-96 Jan-99	Feb-98 Jan-00	6 27	38	Yes Yes		
REMARKS: PCO change from ATCOM to CECOM is due to BRAC 95 realinnment	is due to BRAC 95 realignment									Γ

PCO change from ATCOM to CECOM is due to BRAC 95 realignment.

Unit cost is firm fixed price regardless of quantity.

Item No. 164 Page 34 of 53 250

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1007		Exhibit P-4	10, Budget It	Exhibit P-40, Budget Item Justification Sheet	tion Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53600426	ther Support Equipme	ant / 53600426					60KW TA	60KW TACTICAL QUIET GENERATOR	ERATOR		
Program Elements for Code B Items:	:5:			Code:	Other Related Program Elements:	am Elements:						-
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty		243	24			213	191	68	66	508		1346
Gross Cost	17.9	4.5	2.7	0.8	6.0	4.4	4.2	2.1	2.8	10.8		51.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	17.9	4.5	2.7	0.8	6:0	4.4	4.2	2.1	2.8	10.8		51.1
Initial Spares												
Total Proc Cost	17.9	4.5	2.7	0.8	6.0	4.4	4.2	2.1	2.8	10.8		51.1
Flyaway U/C												-
Wpn Sys Proc U/C												
O TAT TOO TAO TENTO					100	-11007						

DESCRIPTION: 60kW Generator Set, Skid Mounted, Tactical Quiet Generator, 60Hz and 400Hz

levels, reducing weight, provide high altitude electromagnetic pulse protection, and increase infrared signal suppression. These generators are components of the power JUSTIFICATION: These generator sets will replace existing overaged generator sets with assets that will increase safety and survivability by reducing operating noise unit/power plant program, and are required for materiel fielding and sustainment of the following systems:

COMMUNICATION SYSTEMS: - Mobile Subscriber Equipment - Water Purification Systems SUPPORT SYSTEMS: MISSILE/AIR DEFENSE SYSTEMS: - THAADS

- Aviation Units

- Patriot Missile - Tow Missile

- Avenger

Modular Print System

· Satellite Communication Systems

Tactical Operations Centers

- Radio Relay/Repeater Systems

Medical Systems

Command and Control Centers

- Division XXI

FY99 will fund production and fielding of generator sets with engines that meet EPA requirements. Due to component commonality in the 30kW and 60kW, they are procured under the same contract and produced on the same assembly line. Engineering support costs for the TQG programs are not independent, but must be considered in total to maintain program integrity.

Item No. 164 Page 38 of 53

Exhibit P-40, Budget Item Justification Sheet

Exhibit P-5, Weapon ODA Cost Analysis	₹	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT /Other Support	get Activity.	/Serial No: /Other Support		P-1 Line Iter 60KW T/	P-1 Line Item Nomenclature: 60KW TACTICAL QUIET GENERATOR	SENERATOR		Weapon System Type:		Date: Febru	February 1998
COSt Alialysis	_	Equipn	Equipment / 53600426	0426									
	٥		FY 96			FY 97			FY 98			FY 99	
Cost Elements	O	+	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	\dashv	000\$	Each	\$000	000\$	Each	000\$	000\$	Each	000\$	000\$	Each	\$000
1. Item Hardware 60kW/60Hz - M53100 60kW/400Hz - M53400	⋖	558 252	18	31							3259 738	178	18
2. Engineering Government		372			755			308			275		·
3. Engineering Change Orders		372						20			100		
4. Acceptance Testing		930			89			565					
5. Data		547											
TOTAL		2731			823			923			4372		

									Date:		
		Exnibit P-5a, Budget Procurement P	IIStory ar	urement History and Planning					Fe	February 1998	
Appropriation / Budg	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	lomenclature:				
отнея РЯОСИ	OTHER PROCUREMENT /Other Support Equipment / 53600426						60KW TA	60KW TACTICAL QUIET GENERATOR	ENERATOR	-	
WBS Cost Elements:		Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΛΙΟ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Defivery	Each	\$000	Now?	Avail	
60kW/60Hz - M53400 FY96 (First Article) FY99	53400 cle)	MCII, Dallas, TX MCII, Dallas, TX	C/FP-R5(1) ATCOM		Aug-96 Jan-99	Jan-98 Jan-00	18	31	Yes	· · · · · · · · · · · · · · · · · · ·	
60kW/400Hz - M53100 FY96 (First Article) FY99	M53100 cle)	MCII, Dallas, TX MCII, Dallas, TX	C/FP-R5(1) C/FP-R5(3)	ATCOM CECOM	Aug-96 Jan-99	Jan-98 Jan-00	35	42	Yes		· · · · ·
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REMARKS:	A new contract was awarded to MCII, Dallas, TX, for design and	allas, TX, for design and testing on s	ets with nev	testing on sets with new certified engines and follow-on production.	on product	on.					

A new contract was awarded to MCII, Dallas, TX, for design and testing on sets with new certified engines and follow-on production. FY96 unit price is for First Article Test Units. PCO change from ATCOM to CECOM is due to BRAC 95 realignment. Unit cost is firm fixed price regardless of quantity.

Item No. 164 Page 40 of 53

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NAME / LOCATION	_	Z Z	1-8-5	ιņ	MAX	+ Q		Т	NITIA				9	+		100	1	8	į		8	5	30KW	and 60	JKW Iir	30kW and 60kW lines. FY96 is a new	/96 is	a new	
MCII	L	75	400		750			#	REORDER	<u>«</u>			4	\dagger		4	╀	2			16	Τ	contra	ict with	First /	contract with First Article Testing and	Testinç	and	
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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	tion Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53600426	ther Support Equipme	ent / 53600426					PRODUCTION OF	PRODUCTION OF POWER UNITS AND POWER PLANTS	POWER PLANTS		
Program Elements for Code B Items:	:S:			Code:	Other Related Program Elements:	am Elements:			-			
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			25	662	125	1827	1053	1348	602	1253		6927
Gross Cost	71.4	3.1	0.3	8.3	2.1	18.6	11.8	13.3	6.3	13.8		148.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	71.4	3.1	0.3	8.3	2.1	18.6	11.8	13.3	6.3	13.8		148.9
Initial Spares												
Total Proc Cost	71.4	3.1	0.3	8.3	2.1	18.6	11.8	13.3	6.3	13.8		148.9
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: Depot/Field Manufacturing Program: Trailers are procured from TACOM. Electronic components and raw material are procured through the depot. The integration of TQG's (procured by CECOM) on trailers with the electronic components are defined as power units or power plants. Power units consist of 1 TQG mounted on 1 trailer interface. Power Plants consist of 2 TQG's mounted on 1 or 2 trailer interfaces with a parelleling switchbox installed.

fielding of 3-60kW TQG to Force Package I and II units. Total package fielding of the following systems are dependent upon these power unit/power plant configurations: JUSTIFICATION: FY99 will continue acquisition and manufacture for power unit/power plant integration with TQG assets designed to provide greater reliability, quieter operation, extended mean-time-between-failure, and replace overaged diesel and gasoline fueled assets. FY99 and FY00 will continue assembly and

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- THAADS
- Patriot Missile Systems
- Multiple Launch Rocket Systems
 - Avenger

SUPPORT:

- Bradley Infantry Fighting Vehicle Aviation Systems

- Radio Relay/Repeater Systems

COMMUNICATIONS:

- Computer Systems
- AFATDS Battlefield Communications Systems - Satellite Communication Systems
- Medical Systems - Division XXI - Command and Control Centers - Tactical Operations Centers

Item No. 164 Page 44 of 53 260

bit P-5,	Υ	Appropriation/ Budget Activity/Serial No:	get Activity	/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53600426	PROCUREMENT /Other Equipment / 53600426	/Other Support 10426		PRODU	PRODUCTION OF POWER UNITS AND POWER PLANTS	R UNITS AND				Febru	February 1998
) AQO	₽		FY 96			FY 97			FY 98			FY 99	
ents	СD	+	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q Ž	UnitCost
	H	\$000	Each	000\$	000\$	Each	\$000	\$000	Each	000\$	000\$	Each	\$000
1. Item Hardware	4												
AN/MJQ-35 - M54100					453	44	10	163	17	10	95	9	10
PU797A - R627					2120	210	10				8021	930	6
PU798A - R591		273	22	5	3029	300	10				4276	478	6
PU800 - M521					253	15	17				11	₩-	÷
PU802 - M500								337	30		1748	156	F
PU803 - M543											1109	66	
PU805 - M509	-				1010	09	17	348	31	-	168	15	Ŧ
PU806 - M510											280	25	Ŧ
AN/MJQ37 - R590	-							428	32	13	601	45	13
AN/MJQ40 - M519					1333	33	40	273	0-	27	869	32	27
AN/MJQ41 - M511								141	2	28	1010	36	28
2. Engineering Government					85			275			275		
3. Engineering Change Orders								100			100		
4. First Article Test													
5. Data													
TOTAL	-	273			8283			2065	-		18563		

	I tacmerine Drawing I	Jiotomic or	O Donning					Date:		5
	EXIIIDIL F-34, Budget Flocurement mistory and Flammig	iistory ar	id riailiilig						February 1998	2
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53600426					PR(DDUCTION OF	PRODUCTION OF POWER UNITS AND POWER PLANTS	IND POWE	R PLANTS	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔΤΥ	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
AN/MJQ-35 - M541	6	į		9	o I	ļ	,			
F 198	Tobyhanna Army Depot, PA Tobyhanna Army Depot, PA	W W	ATCOM/TOAD	Jan-99	86-unc	2	0 0	Yes		
FY99	TBS	C/FP-R10(1) CECOM	СЕСОМ	Jan-99	Oct-99	Ω.	10			
PU797 - R627								•		
FY99	Tobyhanna Army Depot, PA	W	CECOM/TOAD	Jan-99	96-unf	465	6	Yes		
Р Ү99	TBS	C/FP-R10(1)	C/FP-R10(1) CECOM/TOAD	Jan-99	Oct-99	465	6	Yes		
PU798A - R591										
FY97	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-97	Jul-97	300	10			
FY99	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-99	Jun-99	239	6	Yes		
FY99	TBS	C/FP-R10(1) CECOM	CECOM	Jan-99	Oct-99	239	6	Yes		
PU800 - M521										
FY97	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Mar-97	Jul-97	15	17	Yes		
FY99	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-99	96-unf	_	Ŧ			

Unit cost for production includes: depot procurement of electrical components and raw materials, manufacturing the power units/power plants integration packages, and integration of components and ancillary equipment into the completed PU/PP. A competitive contract will be awarded in Jan 99. FAT is required. This contract will run concurrently with Depot Assembly Orders. FY98 and FY99 will continue assembly and fielding. PCO change from ATCOM to CECOM is due to BRAC 95 realignment. Price increase on AN/MJQ-35 is due to price increase on switchboxes and price increase on trailers. Price increase on PU-797 is due to price increase on trailers. Price decrease on PU/PPs is due to procurement of generator-ready trailers. REMARKS:

Item No. 164 Page 46 of 53 262

Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Date: Fe	February 1998	φ.
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					PRC	DDUCTION OF	PRODUCTION OF POWER UNITS AND POWER PLANTS	IND POWE	R PLANTS	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	QTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
PU802 - M500										
	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Mar-97	Jul-97	84	16	Yes		
	Tobyhanna Army Depot, PA	WB	CECOM/TOAD	Jan-98	36-unf	30		Yes		
	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-99	Jun-99	78	Ξ	Yes		
FY99	TBS	C/FP-R10(1) CECOM	CECOM	Jan-99	Oct-99	78	-	Yes		
PU803 - M543										
	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Mar-97	Jul-97	28	16	Yes	,	
	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Jan-99	Jun-99	20	Ξ	Yes		
FY99	TBS	C/FP-R10(1)	C/FP-R10(1) CECOM/TOAD	Jan-99	Oct-99	49	=	Yes		
P11805 - M509										
FY97	Tobyhanna Army Depot	WR	CECOM/TOAD	Mar-97	Jul-97	09	17	Yes		
	Tobyhanna Army Depot	WB	CECOM/TOAD	Jan-98	Jun-98	31	-	Yes		
	Tobyhanna Army Depot	WB	CECOM/TOAD	Jan-99	96-unf	15	Ŧ	Yes		
PU806 - M510										
	Tobyhanna Army Depot	WR	CECOM/TOAD	Jan-99	96-unf	15	=			
FY99	TBS	C/FP-R10(1) CECOM	CECOM	Jan-99	Oct-99	10	=	Yes		
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REMARKS: I Init and for another inclination inclinates danger dan	and the second of the second o]					1	T

Unit cost for production includes: depot procurement of electrical components and raw materials, manufacturing the power units/power plants integration packages, and integration of components and ancillary equipment into the completed PU/PP. A competitive contract will be awarded in Jan 99. FAT is required. This contract will run concurrently with Depot Assembly Orders. FY98 and FY99 will continue assembly and fielding. PCO change from ATCOM to CECOM is due to BRAC 95 realignment.

Price increase on AN/MJQ-35 is due to price increase on switchboxes and price increase on trailers.

Price increase on PU-797 is due to price increase on trailers.

Price decrease on PU/PPs is due to due procurement of generator-ready trailers.

Exhibit	Exhibit P-5a. Budget Procurement History and Planning	History an	nd Planning					Date:	February 1998	g
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					PR	ODUCTION OF	PRODUCTION OF POWER UNITS AND POWER PLANTS	ND POWE	R PLANTS	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	νтο	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
AN/MJQ37 - R590 FY98	Tobyhanna Army Depot. PA	8	CECOM/TOAD	.lan-98	98-ui-l	33	13	γαX		
FY99	Tobyhanna Army Depot, PA	WB	CECOM/TOAD	Jan-99	66-unc	22	13	Yes		
FY99	TBS	C/FP-R10(1) CECOM	CECOM	Jan-99	Oct-99	23	13	Yes		
AN/MJQ40 - M519									-	
FY97	Tobyhanna Army Depot, PA	WR	CECOM/TOAD	Mar-97	Jul-97	33	40	Yes		_
FY98	Tobyhanna Army Depot, PA	X X	CECOM/TOAD	Jan-98	96-unf	<u></u>	27	Yes	_	
SS L	Tobyhanna Army Depot, PA	W E	CECOM/TOAD	Jan-99	GG-unf	16	27	Yes		
66.4	TBS	C/FP-R10(1) CECOM	CECOM	Jan-99	Oct-99	16	27	Yes		_
AN/MJQ41 - M511									-	
FY98	Tobyhanna Army Depot, PA	W	CECOM/TOAD	Jan-98	Jun-98	2	28	Yes		
FY99	hanna Army Depot,	WH	CECOM/TOAD	Jan-99	Jun-99	8	28	Yes		
665×1	TBS	C/FP-R10(1)	C/FP-R10(1) CECOM/TOAD	Jan-99	0ct-99	18	28	Yes		
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REMARKS:

Unit cost for production includes: depot procurement of electrical components and raw materials, manufacturing the power units/power plants integration packages, and integration of components and ancillary equipment into the completed PU/PP. A competitive contract will be awarded in Jan 99. FAT is required. This contract will run concurrently with Depot Assembly Orders. FY98 and FY99 will continue assembly and fielding. PCO change from ATCOM to CECOM is due to BRAC 95 realignment. Price increase on AN/MJQ-35 is due to price increase on switchboxes and price increase on trailers. Price decrease on PU/PPs is due to procurement of generator-ready trailers. Price increase on PU-797 is due to price increase on trailers.

Item No. 164 Page 48 of 53

							P-1 Item Nomenclature:	m Nor	nencla	ature:										Date:	:e:							Γ
FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTIC	ON SCI	1EDUI					_	ago Bobi	PRODUCTION OF POWER UNITS AND POWER PLANTS	V OF P	OWER	UNITS	AND	OWE	? PLAN	TS		١	┦				Febru	February 1998		١	٦
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COST ELEMENTS	шα	£	ш с >	Each	1 oct	AS OF 1 OCT	00-	20>	¬ ∢ Z	и ш в	≥ ∢ Œ	4 G E	≥ < ≻	2 D Z	۷⊃७	ωшα	0 U F	z o >	о ш O	¬ ∢ z	≥ ∢ Œ	4 G E	Σ∢≻	¬ ⊃ Z	٦ ٦ ٦	< ⊃ @	ωша	- w Œ
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Power Units / Power Plants	-	FY97	۷	995	0	662		\dashv	4	\dashv			┪	\dashv	4		1	\dashv	\dashv	\dashv	۷				8	90	100	2501
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FY 98 / 99 BUDGET PRODUCTION SCHEDULE	길	ION SC	HED	ULE				۵	RODU	PRODUCTION OF POWER UNITS AND POWER PLANTS	OF PO	WER (INITS.	AND P	OWER	PLAN	TS.							February 1998	1998		
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COST ELEMENTS	т сс	È.	m R >	Each	TO 1 OCT	AS OF 1 OCT	0 O F	Z O >	¬ ∢ z	т п в	Σ<α	4 G E	ァコ Ζ Σ∢≻	רכי	A G	спσ	0 D F	N O >	D B C	В	Σ<α	A G R	∑ ∢ ≻	7 D J	o د ≽ -	ωшσ	- ш Œ
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Power Units / Power Plants	-	FY97	۷	662	300	362	5	100	9 62		\dashv	\dashv	\dashv	_	\Box				_								0
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		Exhibit P-4	0, Budget It	Exhibit P-40, Budget Item Justification Sheet	tion Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 flem Nomenclature:	.6:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53600426	ther Support Equipme	int / 53600426					DISTRIBUTION IL	DISTRIBUTION ILLUMINATION SYSTEM ELECTRICAL	EM ELECTRICAL		
Program Elements for Code B Items:	:8:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty)
Gross Cost	40.5	1.6	0.0	0.4	0.0	0.5	0.0	0.0	0.0	0.0		42.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	40.5	1.6	0.0	0.4	0.0	0.5	0.0	0.0	0.0	0.0		42.9
Initial Spares												
Total Proc Cost	40.5	1.6	0.0	0.4	0.0	0.5	0.0	0.0	0.0	0:0		42.9
Fiyaway U/C												
Wpn Sys Proc U/C												
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DESCRIPTION: Distribution Illumination System Electrical is used to redistribute power from either a single generator or larger feeder system to multiple power users. systems are planned to reduce the number of generator sets required by the Army by distributing power from one generator to multiple power requirements. Systems JUSTIFICATION: Will be fielded in conjunction with Tactical Quiet Generators to support numerous communication, weapons, and medical systems. Distribution

Level 3 Management of this item transfers to CECOM in FY99. CECOM will budget for this item after FY99

supported by this item include: Joint Tactical Fusion, Satellite Communications, Deployable Medical System, and Tactical Operation Center.

DISE 60 AMP (R45200): FY97: \$.283M (60 ea.); FY99: \$.129M (22 ea.) DISE 40 AMP (R45300): FY97: \$.032M (5 ea.); FY99: \$.107M (22 ea.)

DISE 100 AMP (R45400): FY97: \$.035M (6 ea.); FY99: \$.094M (16 ea.)

FEEDER 200 AMP (R45500): FY97: None; FY99: \$.070 (8 ea.) KIT RECEPTABLE (R62800): FY97: None; FY99: \$.097M (50 ea.)

TOTAL: FY97: \$.350M (71 ea.); FY99: \$.497M (118 ea.)

Item No. 164 Page 52 of 53

Budget Item Justification Sheet Exhibit P-40,

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Exhibit F	Short Item . Instification Sheet
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		Exhibit P-4	Exhibit P-40, Budget Item	em Justific	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕ	OTHER PROCUREMENT /Other Support Equipment / 53600426	her Support Equipme	ant / 53600426					H	READINESS INCENTIVES	ES		
Program Elements for Code B Items:	ıs:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	12.3	2.6	1.2	2.4	1.3	2.0	1.2	1.4	1.7	1.6		27.6
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	12.3	2.6	1.2	2.4	1.3	2.0	1.2	1.4	1.7	1.6		27.6
Initial Spares												
Total Proc Cost	12.3	2.6	1.2	2.4	1.3	2.0	1.2	1.4	1.7	1.6		27.6
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Summer aumorate immerator immerator immerator Parameter Colonian Contract/Eigleling Summer and Generator Section Accessments	a opour	oferonopour	r improvomo	of programs	· Cample D.	Ata Colloction	Contract/Eig	Ading Suppo	and Gono	rator Sycton	Accomon	ب

DESCRIPTION: Supports numerous generator improvement programs: Sample Data Collection, Contract/Fielding Support, and Generator System Assessments, production engineering and various testing on generator systems that are not separately authorized.

Sample Data Collection: \$.100M in FY96; \$.180 in FY97; \$.070 in FY99
Contract/Fielding Support: \$.591M in FY96; \$1.9M in FY97; \$1.2M in FY98; \$1.432M in FY99
System Assessment: \$.493M in FY96; \$.350M in FY97; \$.100M in FY98; \$.490M in FY99

TOTALS: \$1.184M in FY96; \$2.430M in FY97; \$1.300M in FY98; \$1.992M in FY99

								Date:				
	Ш	thibit P-40,	, Budget It	em Justifi	Exhibit P-40, Budget Item Justification Sheet	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Suppo	rt Equipment				•	TRUCK, FORK LII	TRUCK, FORK LIFT, DE, PT, RT, 50000 LB (M41200)	0000 LB (M41200	•	
Program Elements for Code B Items:	ltems:			Code:	Other Related Program Elements:	ıgram Elements:						
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	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	307		25			101	80	112	93	6		808
Gross Cost	83.6	0.0	10.6	0.0	0.0	20.6	34.8	48.6	58.3	58.3	0.0	314.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	83.6	0.0	10.6	0.0	0.0	20.6	34.8	48.6	58.3	58.3	0.0	314.8
Initial Spares												
Total Proc Cost	83.6	0.0	10.6	0.0	0.0	20.6	34.8	48.6	58.3	58.3	0.0	314.8
Flyaway U/C												
Wpn Sys Proc U/C												
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Standardization Organization (ISO) 20' and 40' long containers weighing up to 50,000 pounds. It is a rough terrain truck designed for operating on soft soil conditions such as unprepared beaches. The RTCH is four wheel drive and capable of fording 5' of saltwater in Joint Logistics Over DESCRIPTION: The Rough Terrain Container Handler (RTCH) provides a capability of handling the 8' wide family of International The Shore operations. The RTCH is a modified commercial design.

Code B Data: D604804A, DH14 RDTE; Performance Specification Date Jan 98; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Generic (Alt Standard scheduled for April 00; model number to be determined; no test results available as acquisition support by market survey, no testing.)

deployments (includes peacekeeping, peace enforcement, humanitarian assistance, and wartime missions). The current RTCH fleet (282) will all be over aged in FY 98. This factor, coupled with an increase in Army Authorization Objective (AAO) from 346 to 783, increased authorizations in JUSTIFICATION: The FY 99 funds begin acquisition of a five year procurement buy. The Army has an increasing need for a state-of-the-art, Divisions. This dramatically elevates the importance of the RTCH. Equally important is its use in critical general support operations, depots, rough terrain container handler with 50,000 pound lift capacity. Currently, the RTCH supports worldwide deployments at theatre level. The the new Improved Cargo Handling Operations (ICHO) and Direct Support (DS) Supply Units Table of Organizations and Equipment (TOE) Defense Planning Guidance and Army's Battlefield Distribution System plan call for expanded container handling mission forward into the cargo handling storage, and shipping operations. An estimated 500 containers daily will arrive at sea, rail, or air debarkation ports during requirements, drive this reprocurement request.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	udget Acti	vity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	Jre:		Weapon System Type.		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	PHOCUMEMENT / : Support Equipment	IT / 3 / Other ent		THOCK	HUCK, FORK LIFT, DE, PT, RT, 50000 LB (M41200)	DE, PT, RT,				Februs	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	СБ	1	Qţ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q Ç	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
1. Hardware 2. Logistics Data Deliverables a. Publication b. Other 3. Test Support From Contractor 4. Testing (Production Qualification Test) -Government (ATC) 5. Engineering In-House 6. Engineering Change Order May not match P1/P40	Δ	10300	52	415							19755 100 37 150 387 115 44		433
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Exhibit	Exhibit P-5a, Budget Procurement H	listory an	irement History and Planning					Date: F	February 1998	968
Appropriation / Budget Activity/Serial No:		Weapon System Type:	п Туре:		P-1 Line Item Nomenclature:	Nomenclature				
OTHER PROCUREMENT / 3 / Other Support Equipment					-	TRUCK, FORK	TRUCK, FORK LIFT, DE, PT, RT, 50000 LB (M41200)	50000 LB	(M41200)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	νтο	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
1. Hardware				-0						
FY 99	CALEHPILLAH	C/FP/UP/I USCC	USCC	Mar-97 Mar-99	Sen-99	25 45	412	YES		N/A lan 98 Feh-99
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REMARKS:										

FY 99 - The current RTCH is based on 1970's technology and commercial practices. The 1997 market survey indicated that there is no commercially available vehicle that meets the user's requirements by combining available commercial capabilities into one vehicle. The RDTE contract will be used to verify that the assemblage of commercial items meet the users requirements. FY 99 production contract will be awarded to one of the RDTE contractors.

Item No. 165 Page 3 of 6

History and Planning Exhibit P-5A, Procurement

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	மி	Exhibit P-40, Budget Item Justification Sheet	, Budget It	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	fature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Su	7/3/Other Suppor	pport Equipment				ALI	. TERRAIN LIFTIN	ALL TERRAIN LIFTING ARTICULATING SYSTEM (M41800)	SYSTEM (M41)	(008	
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
				4								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty			130	168	34	47	105	105	119	403		1111
Gross Cost	0.0	0.0	13.6	16.5	3.5	15.2	10.3	15.5	11.6	46.9	0.0	133.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	13.6	16.5	3.5	15.2	10.3	15.5	11.6	46.9	0.0	133.1
Initial Spares												
Total Proc Cost	0.0	0.0	13.6	16.5	3.5	15.2	10.3	15.5	11.6	46.9	0.0	133.1
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION. The All Terrain Lifting Articulating System (ATLAS) is a rough terrain forklift which has the same mobility and speed as the	The All Ter	rain Liffing	Articulation	System (A	TI AS) is a	rough terrs	ain forkliff w	thich has th	00000	bility and	dt oo boogo	

DESCHIPTION: The All Lerrain Litting Articulating System (ATLAS) is a rough terrain forklift which has the same mobility and speed as the Army's current 6,000 lb (6K) variable reach rough terrain forklift and can perform the functions required of the current Army standard 10,000 lb (10K) rough terrain forklifts. The vehicles have drive on - drive off capability for C-130 deployability and variable reach capability for stuffing/unstuffing 20 foot International Standardization Organization (ISO) containers.

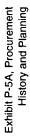
10,000 lb forklift requires major disassembly and use of a special kit for air transport by C-130 and C-17 aircraft. The ATLAS operational concept requirements. They are not capable of stuffing and unstuffing 20 foot International Standardization Organization (ISO) containers. The current procured during 1967-1980 and assigned to Quartermaster Units require replacement due to over age and inability to accomplish new mission JUSTIFICATION: FY 99 funds continue acquisition of Force Package 1 requirements. Current 6,000 and 10,000 lb rough terrain forklifts requires use throughout the theatre to expedite logistics support functions. All classes of supply will be handled.

12760 130 98 15811 163 97 3333 101 14946 148 101 14946 148 101 14946 148 148 149 14946	Exhibit P-5, Weapon DPA Cost Analysis	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support Equipment	ion/ Budget Activity/ PROCUREMENT / 3 Support Equipment	vity/Serial No: T / 3 / Other ent		P-1 Line Ite AL	P-1 Line Item Nomenclature: ALL TERRAIN LIFTING APTICH ATING SYSTEM MA	re: TING	>	Weapon System Type:		Date: Februa	: February 1998
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	EXNIBIT	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					ш	February 1998	88
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OTHER PROCUREMENT / 3 / Other Support Equipment	t Equipment					ALL	TERRAIN LIFT	ALL TERRAIN LIFTING ARTICULATING SYSTEM (M41800)	NG SYSTE	M (M41800	-
WBS Cost Elements:		Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αту	Unit Cost	Specs	Date	RFP Issue
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REMARKS: 1. FY 96 through FY 99 are	options to cont	1. FY 96 through FY 99 are options to contract awarded in May 95 which is a competitive Firm Fixed Price (FFP) requirements type contract. FY 96 price includes non-recurring cost and	competitive F	irm Fixed Price (FFP) requir	ements typ	e contract.	FY 96 pric	se includes no	n-recur	ng cost	and

1. FY 96 through FY 99 are options to contract awarded in May 95 which is a competitive Firm Fixed Price (FFP) requirements type contract. FY 96 price includes non-recurring cost on a non-recurring cost over the first program year. Unit prices in 98 and 99 are the same, because contract prices are based on range quantities, with larger quantity receiving a price break advantage.

Item No. 166 Page 3 of 6 278



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		Exhibit P-4	Exhibit P-40, Budget Item	_	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ıre:					
10	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support l	Equipment					ROUGH TERR.	HOUGH TERRAIN CONTAINER CRANE (X00900)	(X00900)		
Program Elements for Code B Items:	:5:			Code:	Other Related Program Elements:	am Elements:						
0604804A	04A DH14			60								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty	254					90	22	19				328
Gross Cost	51.7	0.0	0.0	0.0	0.0	13.6	11.2	8.6	0.1	0.2	0:0	85.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	51.7	0.0	0.0	0.0	0.0	13.6	11.2	8.6	0.1	0.2	0.0	85.4
Initial Spares												
Total Proc Cost	51.7	0.0	0.0	0.0	0.0	13.6	11.2	8.6	0.1	0.2	0.0	85.4
Flyaway U/C												-
Wpn Sys Proc U/C												-

diesel engine, and hydraulically operated boom. The super structure has a telescopic boom with 360 degree rotation capability. It will be used by Transportation Cargo DESCRIPTION: This item is a Rough Terrain Container Crane (RTCC) capable of handling 20 foot and 40 foot containers, wheel mounted with 4 wheel drive steering, Transfer Companies, Transportation Terminal Service Companies, and General Support Ammunition Companies, to transfer containers from the ground to waiting transportation, or from one mode of transportation to another.

Code B Data: D604804A, DH14 RDTE; Performance Specification Date Dec 98; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Generic (Alt Standard scheduled for Sep 98; model number to be determined; no test results available as acquisition support by market survey, no testing.)

Defense Planning Guidance and Army's Battlefield Distribution System plan call for expanded container crane handling mission into the Divisions. The crane will be used deployments (including peacekeeping, peace enforcement, humanitarian assistance, and wartime missions). Increased authorizations for new Improved Cargo Handling Operations (ICHO) and Direct Support (DS) Supply Units Table of Organizations and Equipment (TOE) requirements, have increased the Army's Authorization Objective JUSTIFICATION: FY 99 funds, the first of a three year procurement that will buy 72 vehicles to support activation of the new Improved Cargo Handling Operations. The for general support operations, depot operations, cargo handling storage, and shipping operations. It will be used for sea, rail, or air debarkation ports during (AAO) from 255 to 354 and drives this procurement request. These additional vehicles will fill Force Package I and II shortages. **Budget Item Justification Sheet**

Exhibit P-40,

Exhibit P-5, Weapon	₹ ′	Appropriation/ Budget Activity/Serial No:	iget Activity/:	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:	INCO COANIE		Weapon System Туре:		Date:	400
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OPA D	닏		FY 96			FY 97			FY 98			FY 99	
ents		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost
	⊢	000\$	Each	000\$	000\$	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
1. Hardware 2. Contractor Support for Testing 3. Logistics Data Deliverables a. Publications b. Other 4. Testing-Government (ATC) 5. Engineering Change Order 6. Engineering Change Order											12586 80 230 34 410 115 160	53	434
Quantities shown are most current and may differ from P1/P40													
				:						·	13615		

Item No. 167 Page 3 of 5 284

Exhibit P-5A, Procurement History and Planning

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Item No. 167 Page 5 of 5 286

Exhibit P-21, Production Schedule

	3											
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	tem Justific	ation Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	:ē.					
10	нея РРОСИВЕМЕМ	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					ITEMS LES	ITEMS LESS THAN \$2.0M (MHE) (ML5365)) (ML5365)		
Program Elements for Code B Items:	:SL			Code:	Other Related Program Elements:	am Elements:						
090	0604804A DH14			See P-5								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	142.7	4.8	2.8	2.0	1.7	1.7	1.8	1.8	1.9	2.8	0.0	164.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	142.7	4.8	2.8	2.0	1.7	1.7	1.8	1.8	1.9	2.8	0:0	164.0
Initial Spares												
Total Proc Cost	142.7	4.8	2.8	2.0	1.7	1.7	1.8	1.8	1.9	2.8	0.0	164.0
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: This program covers the various types of Material Handling Equipment (MHE) where the total acquisition cost for each line item is below \$2,000 000	is program co	vers the vari	ous types of	Material Hai	ndling Farrion	nent (MHE) w	here the tota	1 accinicition	cost for each	line item is	helow \$2 000	000

(total expended program per year). Forklift, 6K, Solid Rubber Tire, M482 - Code B Data: D604804A, DH14 RDTE; DTE/IOTE/OTE/TDP are all N/A as item is non developmental; TC Generic; model number I his program covers the various types of material Handling Equipment (MHE) where the total acquisition cost for each line item is below \$2,000,000

to be determined; no test results available as acquisition support by market survey, no testing.

JUSTIFICATION: FY 99 funding is required to fill existing backorders and high priority shortages in Army Units, Army Materiel Command (AMC) maintenance depots and overaged, high usage vehicles and fill priority shortages. The M482 is essential to and is utilized in garrison, depot, ammunition plants and miscellaneous supply/material ammunition storage facilities. This critical support equipment is needed for movement of materials, supplies, and equipment and is critical towards insuring, readiness and fleet mobilization of U.S. Armed Forces. The FY 99 program funding will be utilized to procure the M482 - 6k lb Forklift. This system is being procured to replace transport operations. This system is considered essential in peacetime and wartime operations.

Exhibit P-5, Weapon	٢	Appropriation/ Budget Activity/Serial No:	get Activity/5	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:		ř	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3.	/ Other Support		ITEMS LES	ITEMS LESS THAN \$2.0M (MHE) (ML5365)	MHE) (ML5365)				Febru	February 1998
ΔDA	₽		FY 96			FY 97			FY 98			FY 99	
ents	8	TotalCost	oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Q Şfç	UnitCost	TotalCost	Ofty.	UnitCost
	H	000\$	Each	000\$	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
1. Forklift, 6K, Solid Rubber Tire, M482 2. Crane, Truck Warehouse M469 3. Tractor Warehouse, 4K M487	@ ∢ ∢	1909 1909	13	65 8	1999	90		730	10	73	1672	66	43
All items coded A or B above are nondevelopmental items. As such, they are coded "A" if type classified "standard" and currently being fielded; coded "B" if they are type classified "generic" and have not yet achieved material release (Final approval for service use).		2754			1999			1683			1672		
	1								-				

Item No. 168 Page 2 of 2 288

		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
то	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					COMBAT TRAIN	COMBAT TRAINING CENTERS SUPPORT (MA6600)	OBT (MA6600)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:						
	654715							OMA- 115013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	211.2	30.1	30.0	26.6	26.1	47.4	41.6	54.1	58.1	25.6	0.0	550.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	211.2	30.1	30.0	26.6	26.1	47.4	41.6	54.1	58.1	25.6	0.0	550.8
Initial Spares												
Total Proc Cost	211.2	30.1	30.0	26.6	26.1	47.4	41.6	54.1	58.1	25.6	0.0	550.8
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

for follow-on sustainment training. The CTC's are the Army's premiere training area. Their effectiveness was demonstrated by our success in Desert Storm. Overalll, the After Action Reviews (AARs). This provides valuable feedback to the unit Commander and soldiers training at the centers which can be carried back to the unit and used and upgraded under this program for the three manuever training centers to provide the capability to capture and process the actual training data and provide instructive The Army continues with the implementation of the strategy in the Combat Training Center (CTC) Master Plan. CTC incorporates the following programs. The National Training Center (NTC), the Combat Manuever Training Center (CMTC), and the Joint Readiness Training Center (JRTC). Instrumentation systems are being procured CTC experience provides realistic combat training with long-term training benefits, thereby, increasing the unit's combat readiness.

JUSTIFICATION:

will support part of the total requirement of 236 vehicles), (2) JRTC Military Operations in Urban Terrain (MOUT) by initiating procurement of the Phase II objective, and (3) The CTC strategy for FY99 provides the Army with a comprehensive mechanism to conduct training from the individual level to the Corps Commander and Battle Staff, in realistic simulation of the BMP-2 Infantry Soviet Armored Fighting Vehicle in the CTC training environment, resulting in crucial improvement in training (vehicles procured procurement of three Opposing Forces Surrogate Tracked Vehicles (OSTV) required to provide realistic simulation of the threat from enemy tracked vehicles in the CTC scenarios that will realistically replicate combat from low to high intensity. It is essential that our investment in the CTC's be maintained by assuring that the training provided represents current doctrine and weapon capability. The FY99 funds support the: (1) Opposing Forces Surrogate Vehicle (OSV) which will provide needed raining environment.

Exhibit P-5, Weapon	Ψ	Appropriation/ Budget Activity/Serial No:	Iget Activity.	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCOREMENT/3/Other Support Equipment	HEMEN 1 / 3 Equipment	3 / Other Support		COMBAT	COMBAT THAINING CENTERS SUPPORT (MA6600)	EHS SUPPORT				Feb	February 1998
OPA	9		FY 96		FY97				FY 98			FY 99	
ents	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	000\$	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	000\$
CMTC Instrumentation System Support	<	387			239								
CTC Integration	⋖				50							-	
JRTC Instrumentation System (JRTC-IS)	⋖	7568			5850								
JRTC MOUT I	⋖	4191											
JRTC MOUT II	Θ.				15302			8931			6359		
Range Data Measurement Subsystem (RDMS)	∢	3170			170				· · · · · · · · · · · · · · · · · · ·				
CTC-IS/AGES II	<	3854											
CTC Opposing Forces Surrogate Vehicle (OSV) at NTC/JRTC	⋖	4530			4899			17170			30456		
CTC Opposing Forces Surrogate Tracked Vehicle (OSTV) at NTC/JRTC/CMTC	Ф							,			10610		
Force XXI Digitization	⋖	1927			107								
AWE Integration	<	4350											
CMTC - Hohenfels, Germany JRTC - Ft. Polk, LA NTC - Ft. Irwin, CA													
TOTAL		29977			26617			26101			47395		:
TOTAL	ᅱ	29977			26617			26101				47395	47395

Item No. 169 Page 2 of 22 290

		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53701780	ther Support Equipme	ant / 53701780					JRTC Instrumer	JRTC Instrumentation System (JRTC-IS) (MA6601)	-IS) (MA6601)		
Program Elements for Code B Items:	łS:			Code:	Other Related Program Elements:	am Elements:						
				∢ .								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	0.0	0.0	9.7	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	7.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
Initial Spares												
Total Proc Cost	0.0	0.0	7.6	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5
Flyaway U/C							-					
Wpn Sys Proc U/C												
I CITAIN ON A												

DESCRIPTION:

The CTC strategy provides the Army with a comprehensive mechanism to conduct training from the individual level to the Corps Commander and Battle Staff, in scenarios individual soldier and dismounted small unit performances). The Army's combined arms training strategy allows for the use of simulations to support training. The JRTC-IS will enable the Observer/Controller (O/C) to display selected segments of the battle, scored data, and reports during the After Action Review (AAR). The Position Location (PL) of selected friendly and Opposing Force participants will be tracked via the JRTC-IS. Position Location will give an accurate picture of where key leaders, that will realistically replicate combat from low to high intensity. The JRTC is designed to support training of the Army light infantry task forces (i.e., focuses on the units, and equipment were located in the course of a tactical engagement to support the development of training feedback for the AAR.

bit P-5,		Appropriation/ Budget Activity/Serial No:	dget Activity	//Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:			Weapon System Type:	Type:	Date:	
OPA Cost Analysis		OTHEH PHOC	PROCUREMENT /Other Equipment / 53701780	OTHEH PROCUREMENT /Other Support Equipment / 53701780		JATCIN	JRTC Instrumentation System (JRTC-IS) (MA6601)	tem (JRTC-IS)				Feb	February 1998
OPA	QI		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CO	TotalCost	Qty		TotalCost	Oty	UnitCost	TotalCost	Oţ,	UnitCost	TotalCost	Qty	UnitCost
		000\$	Each	ш	000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
A. JRTC Instrumentation System (JRTC-IS)	<												
JRTC-IS In-House Gov't Engineering		482			395								
JRTC-IS System Support		7018			4904								
JRTC-IS ECPs		89			148								
Software Engineering Enviornment (SEE)					297								
Other Gov't Agencies Engineering Support					106			•					
TOTAL		7568			5850								
		•											
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Item No. 169 Page 4 of 22 292

	Exhibit 1	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning				-	Date: Fe	February 1998	
Appropriation / B	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:	ľ	1-1 Line Item !	P-1 Line Item Nomenclature:				
ОТНЕЯ РВО	OTHER PROCUREMENT /Other Support Equipment / 53701780				•		Joint Instrumer	Joint Instrumentation System (JRTC-IS) (MA6601)	TC-IS) (M/	(9001)	
WBS Cost Elements:	nts;	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000		Avail	
A. JRTC Inst FY93	 A. JRTC Instrumentation System (JRTC-IS) FY93 	CUBIC DEFENSE, San Diego, CA	C/CPIF	NAWC, Orlando, FL	Jun-93	76-Inf	-	16601	Yes		
FY94		CUBIC DEFENSE, San Diego, CA	Option	NAWC, Orlando, FL	Dec-93	Jul-97	-	15686	Yes		
REMARKS:	Naval Air Warfare Center (NAWC) Date of delivery slinned from Sentember 1996 to July 97 due to delay in system integration completion and system testion	to 1996 to July 97 due to delay in syst	tem integrat	ion completion and exetent	pation						

Date of delivery slipped from September 1996 to July 97 due to delay in system integration completion and system testing. Delivery Sites - Ft Polk, LA Ready for Training Date - 4QFY97

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	2	TION SC	HEDU	Щ			<u>i</u>	<u> </u>	1 NOTE:	P-1 Item Nomenciature: JRTC Inst	nciature: JRTC Instrumentation System (JRTC-IS) (MA6601)	mentat	tion Sy	stem (JRTC	N)	A6601	_				Date:			Fe	February 1998	1998		
	L			PROC	ACCEP.	L	-				FIS	Fiscal Year 96	ear	92			l	L			1	Fisc	Fiscal Year 97	ar 9	L				-
	Σ		S	Ω	PRIOR		<u></u>			Ц			ပ	Calendar Year 96	dar	ear	96						Cale	nda	Calendar Year 97	r 97			∢
COST ELEMENTS	щŒ	Ą	ш к >	Each	T0 1 OCT	AS OF 1 OCT		z 0 > 0 ∪ ⊢	D C	¬ ∢ z	т п в	Σ < α	4 G R	y	7 D Z	J U G G	αшα	0 U F	z 0 >	ОШО	¬ ∢ z	чшю	2 4 E	4 G R	¬ ⊃ z	רכי	∢ ⊃ છ	αшα	⊢шк
A. JRTC Instrumentation System (JR							H	L				П	H	H	H	Н	Щ					Н	Н	Н	Н				
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Cubic Defense, San D		-		_	-		Н		REO	REORDER		П			H	2			44			46	Π	ntegra	tion co	integration completion	5		
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Item No. 169 Page 6 of 22 294

Exhibit P-21, Production Schedule

		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53701780	ther Support Equipme	ant / 53701780					JRTC1	JRTC MOUT II Phase II (MA6601)	(6601)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:						
	654715			60			OMA - 115013	115013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	0.0	0.0	0.0	15.3	8.9	6.3	4.2	3.6	0.0	0.0	0.0	38.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	15.3	8.9	6.3	4.2	3.6	0.0	0.0	0.0	38.3
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	15.3	8.9	6.3	4.2	3.6	0.0	0.0	0.0	38.3
Flyaway U/C												
Wpn Sys Proc U/C						-						

DESCRIPTION:

monitoring of individual player movements through the complex; real-time data capture for analysis and Atter Action Reviews (AARs); reaction time/hit/miss reporting from training readiness in an urban terrain environment. The JRTC MOUT complex consists of a series of villages and tactical objective sites, with the centerpiece being a 29 Joint Readiness Training Center (JRTC) Military Operations in Urban Terrain (MOUT) provides an instrumentation system (IS) to satisfy a unique requirement for crucial building enclave replicating a third world town. System capabilities include: conduct of live fire exercises; assessment of company through team level operations; remote location control targets; and centralized visual observation and control of facilities.

JUSTIFICATION:

and control of the MOUT portion of exercises and interactive target systems supporting MOUT scenario play. Procurement funds will buy/install Non-Developmental Items FY99 funding will continue the procurement of the Phase II objective: JRTC MOUT-IS capabilities that will support the automated data collection and feedback, command (NDI). Research and Development funds will develop software for an expanded number of audio visual data collectors, advanced targets, and indoor position locaters. Operational Test and Evaluation planned for May 98.

ıΩ	Ì	Appropriation/ Budget Activity/Serial No:	iget Activity/	'Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:		ĺ	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53701780	PROCUREMENT /Other	Other Support 1780		JRTC	JRTC MOUT II Phase II (MA6601)	(MA6601)	_			Febi	February 1998
OPA	QĮ		FY 96			FY 97			FY 98			FY 99	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000
A. TYPE I BLDG	6 0				456	2	228						
B. TYPE II BLDG	8				1292	4	323	856	4	214	225	-	225
C. TYPE III BLDG	æ				1104	က	368	376		376	778	8	389
D. TYPE IV BLDG	ω				864	-	864	·					
E. TYPE V BLDG	60				1786	2	893	3262	0	1631	1303	-	1303
F. TYPE VI BLDG	Ю				1709		1709	1560	-	1560			
G. Low Light Cameras	B				3572	19	188		-				
H. Exterior Speakers	B							110	50	9			
I. Advanced Target System	æ		•								1449	149	10
Audio/Visual Instrumentation Support Interim Contractor Logistics Support Engineering Changes					387 1321 2086			529 1167 374			862 1040		
M. Contractor Engineering Support N. Other Gov't Agency Support			· · ·		405			310			268 100		
O. In-House Engineering Support P. Technical Documentation	,				155			280			280		
TOTAL					15302			8931			6329		

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Item No. 169 Page 8 of 22 296

Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	istory ar	nd Planning					Date:	February 1998	88
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53701780						JRTC	JRTC MOUT II Phase II (MA6601)	(MA6601)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
A. TYPE I BLDG FY 97	SIGCOM, Greensboro, NC	FFP	NAWC, Orlando, FL	76-Inc	Jan-98	2	228	Yes		
B. TYPE II BLDG FY 97 FY 98 FY 99	SIGCOM, Greensboro, NC	FFP Option Option	NAWC, Orlando, FL	Jul-97 Jan-98 Dec-98	Jan-98 Jun-98 May-99	44-	323 214 225	Yes Yes Yes		
C. TYPE III BLDG FY 97 FY 98 FY 99	SIGCOM, Greensboro, NC	FFP Option Option	NAWC, Orlando, FL	Jul-97 Jan-98 Dec-98	Jan-98 Jun-98 May-99	8 + 2	368 376 389	Yes Yes Yes		
D. TYPE IV BLDG FY 97	SIGCOM, Greensboro, NC	FFP	NAWC, Orlando, FL	76-InC	Jan-98	-	864	Yes		
E. TYPE V BLDG FY 97 FY 98 FY 99	SIGCOM, Greensboro, NC	FFP Option Option	NAWC, Orlando, FL	Jul-97 Jan-98 Dec-98	Jan-98 Jun-98 May-99	4 N N	893 1631 1303	Yes Yes Yes		
F. TYPE VI BLDG FY 97 FY 98	SIGCOM, Greensboro, NC	FFP Option	NAWC, Orlando, FL	Jul-97 Jan-98	Jan-98 Jun-98	Am Ann	1709 1560	Yes		
G. Low Light Cameras FY 97	SIGCOM, Greensboro, NC	FFP	NAWC, Orlando, FL	76-InC	Jan-98	19	188	Yes		

REMARKS:

Naval Air Warfare Center (NAWC)
All FY98/99 contracts will be options to original FY97 contract.
Delivery Site - Ft Polk, LA
Ready for Training Date - 2QFY98

	Exhibit	Exhibit P-5a Budget Procurement History and Planning	lietory ar	nd Planning					Date:	Fohrian 1008	ä
Appropriation / Budget Astroite/Corint No.		oa, pagger	Wespon System Type	m Tune.		1 ting them	Company			Soldary 15	Ţ
Appropriation / Budget Activity/Serial No: OTHER PROCUREMENT / Other Support Equipment / 53701780	t Equipment / 53701780		weapon Syste	ypa.		P-1 Line tiem Nomenclature: JRTC	Nomenciature: JRTC	JRTC MOUT II Phase II (MA6601)	(MA6601)		
WBS Cost Elements:		Contractor and Location	Contract	Location of PCO	Award Date Date of First	Date of First	ΔTY	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
H. Exterior Speakers FY 98		SIGCOM, Greensboro, NC	Option	Option NAWC, Orlando, FL	Jan-98	86-unp	20	9	Yes		
Advanced Target System FY 99		TBS	Option	TBS	Dec-98	Apr-99	149	10	Yes		
REMARKS: Naval Air Warfare Center (NAWC)	Center (NAWC)										

Naval Air Warfare Center (NAWC)
All FY98/99 contracts will be options to original FY97 contract.
Delivery Site - Ft Polk, LA
Ready for Training Date - 2QFY98

Exhibit P-5A, Procurement History and Planning

Item No. 169 Page 10 of 22 298

Exhibit P-21, Production Schedule

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FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTIO	N SC	EDU	四						7	JATC MOUT II Phase II (MA6601)	JUT II I	Phase I	I (MA6	601)					3	į			Febr	February 1998	866		
				PROC	ACCEP.	BAL	L			Ĕ	Fiscal Year 97	ear	F			Γ				F	Fiscal Year 98	Yea	r 98				r	ŀ
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E. TYPE V BLDG													Н		Щ			Н		Н	Ц							
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G. Low Light Cameras													Н					Н										
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T					AVM	REACHED		Эēг				Prio	Prior 1 Oct.	H	After 1 Oct.	Oct.	Afte	After 1 Oct.	#	After 1 Oct.	Öct	£ §	798 · L	FY98 - Delay of	ofawai	FY98 - Delay of award due to late	to late	
1 SIGCOM, Greensboro, NC		- E	20.00	2	30		<u> </u>	- ₹1œ	REORDER	ı,	T			╁	n N	Ī		۰ ه	+	2 80	_	<u> </u>	5	Í	i			
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Item No. 169 Page 12 of 22 300

		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	TB:					
ОТНЕК	OTHER PROCUREMENT /Other Support Equipment / 53701780	ther Support Equipmo	ant / 53701780				į	CTC Opposing For	CTC Opposing Forces Surrogate Vehicles (OSV) (MA6601)	S (OSV) (MA6601)		
Program Elements for Code B Items:	JS:			Code:	Other Related Program Elements:	ram Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	EY 2000	EV 2001	- COOC N	1 0000		
Proc Qty							2002	1003	11 4002	FT 2003	lo Complete	lotal Prog
Gross Cost	0:0	0.0	4.5	4.9	17.2	30.5	26.5	23.8	31.0	00	6	0.007
Less PY Adv Proc									9	200	0.0	139.3
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	4.5	4.9	17.2	30.5	28.5	23.8				0 00+
Initial Spares							2	0.62	B. 10	0:0	0:0	0.801
Total Proc Cost	0.0	0.0	4.5	4.9	17.2	30.5	26.5	23.8	31.0	6	0	130.2
Flyaway U/C									8:10	0.0	0.0	0.60
Wpn Sys Proc U/C												
DESCRIPTION												

The Opposing-Forces Surrogate Vehicle (OSV) will be used by the Opposing Forces (OPFOR) component to simulate an armored fighting vehicle in maneuver exercises. modifications, which include the addition of a turret and related Visual Modifications (VISMODS), will provide the key recognition signatures of the BMP-2. The training vehicle will include both visual and Multiple Integrated Laser Engagement System (MILES) representation of the salient characteristics of the BMP-2 on-board weapon system. The vehicle will not have go-to-war capability. It's use will be limited to the unique training environment of a CTC. The objectives of the Operational Requirements Document will be accomplished by modifying the M113A3 full-tracked Armored Personnel Carrier (APC). These

JUSTIFICATION:

Soviet Armored Fighting Vehicle in the CTC training environment, resulting in crucial improvement in training. The expense of the per mile operating cost for the OSV is a 40% savings over the current outdated equipment (M551) simulating the BMP-2. The OSV meets the requirements for soldier safety and functional skills sustainment Through FY99, 110 vehicles will be procured to support the total NTC requirement of 190 vehicles. The OSV provides required realistic simulation of the BMP-2 Infantry for the OPFOR (U.S. Soldier) role player.

Exhibit P-5, Weapon	r	Appropriation/ Budget Activity/Serial No.	get Activity/	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:		ŕ	Weapon System Type:		Date:	9000
OPA Cost Analysis	-	CI HEH PROCUREMENT Equipment / 5376	Equipment / 53701780	/Under Support 01780		o o o o	OLO Opposing Porces Surrogate Vernoes (OSV) (MA6601)	ogate verificies				-	
	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	9	TotalCost	Q Şt	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
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B. SAWE/MILES II Kits								902	37	19	1903	Ξ	17
C. RISE Kits*											3324	17	196
D. Publications		495				- -		650				-	
E. Production Testing		200						150					
F. Other Gov't Agencies Engineering Spt		1036			336			266			203		
G. In-House Gov't Engineering Support		06			239			135			347		
H. Engineering Change Proposals		459			328			800			306		
I. Refurbish Test Kits								300					
J. Contractor Engineering Support								879					
TOTAL		4530			4899			17170			30456		
*RISE = Reliability, Improvement of Selected Equipment													
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Item No. 169 Page 14 of 22 302

								Date:		
Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory an	d Planning					Fe	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	n Type:		-1 Line Item f	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53701780					СТС	Opposing For	CTC Opposing Forces Surrogate Vehicles (OSV) (MA6601)	icles (OSV	(MA6601)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΔIY	Unit Cost		Date F Revsn	RFP Issue Date
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A. NTC Vehicle FY 96 FY 97 FY 98 FY 99	Anniston Army Depot, AL	C/FFP Option Option Option	NAWC, Orlando, FL	Feb-96 Nov-96 Feb-98 Nov-98	Nov-97 Nov-97 Dec-98 Dec-99	5 10 34	450 400 376 391	Yes Yes Yes		
B. SAWE/MILES II Kits FY 98 FY 99	Lockheed/Martin, Panoma,CA	Option	NAWC, Orlando, FL	Feb-98 Nov-98	Nov-98 Aug-99	37	19.	Yes		
C. RISE Kits* FY 99	Anniston Army Depot, AL	Option	Option NAWC, Orlando, FL	Nov-98	Dec-99	17	196	Yes		
REMARKS: Naval Air Warfare Center (NAWC)										

: Naval Air Warfare Center (NAWC)
Delivery Site - Ft Irwin
Ready for Training Date - 1QFY98

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Item No. 169 Page 18 of 22 306

Exhibit P-21, Production Schedule

		Exhibit P-4	Exhibit P-40, Budget Iten	em Justifica	n Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ire:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53701780	her Support Equipme	ent / 53701780					CTC Opposing Forc	CTC Opposing Forces Tracked Vehicles (OSTV) (MA6601)	(OSTV) (MA6601)		
Program Elements for Code 8 Items:	S:			Code:	Other Related Program Elements:	am Elements:						
	654715			80								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	10.6	10.9	18.8	7.5	0.0	0.0	47.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	10.6	10.9	18.8	7.5	0.0	0.0	47.8
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	10.6	10.9	18.8	7.5	0.0	0.0	47.8
Flyaway U/C												
Wpn Sys Proc U/C												
OF COLUMNICAL.												

DESCRIPTION:

include both visual and Multiple Integrated Laser System (MILES) representation of the salient characteristics of the threat Main Battle Tank (MBT). The vehicles will not The Opposing Forces Surrogate Tracked Vehicles (OSTV) will be used by the Opposing Forces (OPFOR) component at the three Combat Training Centers (CTCs) to simulate enemy Main Battle Tank (MBT) maneuver exercises. The objectives of the Operational Requirements Document will be accomplished by vehicles that will have go-to-war capability. Use of the vehicles will be limited to the unique training environment of the CTC's.

JUSTIFICATION:

training environment, resulting in improved training readiness. Viable OPFOR representation is required to stress the BLUEFOR (unit trained) on the CTC battlefield and Through FY99, nine OSTVs will be procured out of 51 required. The OSTVs provide required realistic simulation of the threat from enemy tracked vehicles in the CTC enable a balanced evaluation. OSTV RDTE funds are for developmental efforts on the OPFOR Main Battle Tank, the planned Development Test and Evaluation and estimated date of approval for service use (NDI) is November 98. Milestone III is first quarter FY99. **Budget Item Justification Sheet**

Exhibit P-40,

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Item No. 169 Page 20 of 22 308

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		EXIIDIT P-5a, Budget Procurement History and Planning	listory al	nd Planning					Fe	February 1998	8
Appropriation / B	Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
отнея РЯС	OTHER PROCUREMENT /Other Support Equipment / 53701780					СТС	Opposing For	CTC Opposing Forces Tracked Vehicles (OSTV) (MA6601)	es (OSTV)	(MA6601)	
WBS Cost Elements:	ints:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs	Date F	RFP Issue
Fiscal Years			and Type			Delivery	Each	\$000			
A. CTC OS1 FY 99	A. CTC OSTV Main Battle Tank FY 99	TBS	SBT	NAWC, Orlando, FL	Nov-98	Apr-00	6	838	Yes		
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REMARKS:	Naval Air Warfare Center (NAWC) Site - CTC							·			·····

Site - CTC Ready for Training Date - 3QFY00

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCT	JON SC	HEDO	Щ					CTC	CTC Opposing Forces Tracked Vehicles (OSTV) (MA6601)	Jg Forc	ses Tra	cked !	Vehick	SO) se	Σ Σ	AA660	=			oale.	<u>p</u> i			Febr	February 1998	866			
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CTC OSTV Main Battle Tank	Н							H	H	\vdash	Н	L	L					T	\vdash	┝		_	ļ	L				T		
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Item No. 169 Page 22 of 22 . 310

Exhibit P-21, Production Schedule

		Exhibit P-4	Exhibit P-40, Budget Item	em Justifice	Justification Sheet			Oate:	,	February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	79:					
ПО	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	Equipment					TRAININGD	TRAINING DEVICES, NONSYSTEM (NA0100)	M (NA0100)		
Program Elements for Code B Items:	:s			Code:	Other Related Program Elements:	am Elements:						
	654715						OMA - 115013	15013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prod
Proc Qty												2
Gross Cost	1525.7	78.2	70.2	73.5	52.4	56.8	91.1	132.8	103.2	127.1	0.0	2311.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	1525.7	78.2	70.2	73.5	52.4	56.8	91.1	132.8	103.2	127.1	0.0	2311.0
Initial Spares												
Total Proc Cost	1525.7	78.2	70.2	73.5	52.4	56.8	91.1	132.8	103.2	127.1	0.0	2311.0
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION:												

reserve component units necessitates the increased use of devices and simulations. The devices and simulations acquired under the NSTD program are essential for the our soldier the valuable experience of battlefield conditions in a training environment. This effort includes the acquisition of training systems for maneuver situation target into the individual and unit training setting. These devices bring into play many aspects of the combat environment (smoke, noise, confusion, stress, etc.), which provide through conservation of energy and ammunition. The reduction of available real estate (ranges and maneuver areas) for training being experienced by both active and The Army continues to build on a major initiative with the Non-System Training Devices (NSTD) program, to introduce realistic and effective simulative training devices engagement simulators and gaming simulations. Devices and simulations are being fielded to minimize resource consumption which will effect a direct cost reduction Army to achieve the goal of increasing training effectiveness and sustaining combat readiness in a constrained training environment.

JUSTIFICATION:

Simulation System/Precision Gunnery System (TWGSS/PGS), the Engagement Skills Trainer (EST), Tactical Simulation (TACSIM) and Range Modernization. Cost and The FY99 NSTD program will provide for Multiple Integrated Laser Engagement System 2000 (Miles 2000), Corps Battle Simulation (CBS), the Tank Weapons Gunnery training effectiveness analyses are performed on proposed projects resulting in only those programs demonstrating high potential payoffs being pursued. Simulators procured under this line are either the result of a development effort or are the purchase of a non-developmental item. Exhibit P-40,

Exhibit P-5 Weapon	۲	Appropriation/ Budget Activity/Serial No.	iget Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:		ľ	Weapon System Type		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support	REMENT/3	/ Other Support		TRAINING C	TRAINING DEVICES, NONSYSTEM (NA0100)	STEM (NA0100)					February 1998
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lents	8	TotalCost	δ	UnitCost	TotalCost	Àö	UnitCost	TotalCost	Ago	UnitCost	TotalCost	ã Ĉ	UnitCost
	П	\$000	Each	\$000	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
NA0100 - NSTD Manuever/Close Combat MILES 2000 Air Ground Engagement System II AFIST	⋖	799 16110 8550	. , ,		7108 40 6377			33415	-		16055		
TWGSS/PGS	_	24417			18563			9649			16458		
NA0103 - NSTD Command and Control CBS - Corps Battle Simulation TACSIM JANUS	⋖	1052 1095 75			2779			679 2334			643		
NA0105 - NSTD Ranges and Targets Range Modernization Marksmanship	∢	5638			19200 1500			2432			12304	72.	
NA0106 - NSTD Fire Support/Air Defense SAWE-RF AFIST II Fire Fighter STOWE Thru Sight Video	∢	4136 2272 4479 1500			16295			3907	JAMES				
PM Support											5074		
Note: Individual program totals do not match FYDP as program dollar distribution reflects most current available information.													
ТОТАL		70215			73546			52416			56755		

Item No. 170 Page 2 of 44 312

Exhibit P-5, Weapon System Cost Analysis

		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ition Sheet			Dale:		February 1998		
Appropriation / Budget Activity/Serial No:	at No:					P-1 Item Nomenclature:	Te:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53702062	ther Support Equipme	ant / 53702062				Multi	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	ingagement System	(MILES 2000) (NAO	101)	
Program Elements for Code B Items:	ıS:			Code:	Other Related Program Elements:	am Elements:						
				V			OMA-115013	15013				_
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prod
Proc Qty												
Gross Cost	0.0	0.0	0.8	7.1	33.4	16.1	29.7	47.9	47.9	48.4	0.0	231.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.8	7.1	33.4	16.1	29.7	47.9	47.9	48.4	0.0	231.3
Initial Spares												
Total Proc Cost	0.0	0.0	9.0	7.1	33.4	16.1	29.7	47.9	47.9	48.4	0.0	231.3
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

The MILES 2000 system provides real-time casualty effects necessary for tactical engagement training in a force-on-force training scenario. MILES 2000 is a replacement of all direct-fire "basic" MILES devices currently fielded. MILES allows the Army to train as a combined arms combat team with realistic casualty assessment.

MILES 2000 is an enhancement of basic MILES which provides the following capabilities:

8 aspect angles to account for side, flank, corner and rear shots. Each aspect angle will have its own associated probability of kill

Increased programmability of weapon characteristics, probability of kill, ranges, and basic weapon ammunition loads.

Event recording and display.

Discrete player ID for all participants. This will enhance training in terms of After-Action Review, and will aid in identifying training against fratricide. Replication of all weapon capabilities and vulnerabilities through laser simulation of weapon firing effects, and through programmed simulation of

vulnerabilities. Enhanced audio-visual cueing effects to replicate battlefield weapon effects.

JUSTIFICATION:

Basic MILES is currently obsolete technically and is uneconomical to repair and sustain. FY99 continues full rate production devices will be fielded as crucially needed battalion sets. The program will continue fielding until MILES 2000 completely replaces existing MILES in the field.

Exhibit P-5, Weapon	Ì	Appropriation/ Budget Activity/Serial No:	dget Activity	/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:		_	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53702062	PHOCUREMENT /Othe Equipment / 53702062	/Other Support 12062		Multiple Int	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	agement System (0101)				Febr	February 1998
OPA	aı		FY 96			FY 97			FY 98			FY 99	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ģ	UnitCost	TotalCost	ģ	UnitCost
	İ	\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
A. M16A2 Rifle	∢							6590	8660	* -	3101	3473	-
B. M24 Sniper Rifle	⋖							368	360	-	185	180	-
C. M249 Squad Automatic Weapon (SAW)	∢							1202	1083	-	557	500	—
D. AT-4 Weapon	∢							3757	1062	4	2038	500	4
E. TOW	∢							232	32	7	165	15	11
F. M60 Machine Gun	⋖						,	553	511	-	344	250	-
G. M2 Machine Gun	∢							195	211	-	122	100	-
H. M113 Armored Personnel Carrier (APC)	∢							1742	309	9	845	150	9
I. M2/M3 Fighting Vehicle	V							7033	492	14	3027	212	14
J. M1A1 Tank	∢							2134	236	6	615	89	6
K. M240 Machine Gun	∢							120	132	-	80	09	-
L. Independent Target System	∢	-						1930	703	е .	1202	350	က
M. Controller Device	⋖							745	516	—	406	250	2
N. Small Arms Alignment	∢							1044	229	S	503	110	Ŋ
O. Main Gun Signature Simulator	∢							1162	236	5	601	118	5
P. Interim Contractor Logistics Support				•				1290			1300		
Q. Engineering Change Proposals (ECPs)		234			1330			1100			160	ï	
R. LRIP Provisioning Items					750			896					
S. Contractor Engineering Support		,			1242			200			200		
T. Other Government Agencies Support		279			1255			200			20		
		286			531			650 200		-	400 154		
тотаг	_	799			7108			33415			16055		

Item No. 170 Page 4 of 44 314

Exhibit P-5, Weapon System Cost Analysis

EX	Exhibit P-5a, Budget Procurement History and Planning	History an	nd Planning					Date: Fe	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		3-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53702062	02062				Muttiple In	tegrated Laser	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	em (MILES	2000) (N	40101)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
A. M16A2 Rifle FY 98 FY 99	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	8660 3473		yes Yes		
B. M24 Sniper Rifle FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	360		Yes		
C. M249 Squad Automatic Weapon (SAW) FY 98 FY 99	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	1083		Yes		
D. AT-4 Weapon FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	1062	4 4	Yes		
E. TOW FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	32	111	Yes		
F. M60 Machine Gun FY 98 FY 99	Cubic Defense, San Diego, CA	Option	NAWC, Orlando, FL	Mar-98 Mar-99	98-Iul	511	- -	Yes		
G. M2 Machine Gun FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	98-Jul	211	V V	Yes		
REMARKS: Naval Air Warfare Center (NAWC)									1	

REMARKS:

Naval Air Warfare Center (NAWC)
No production award in FY97 due to delays in contractor testing.
Sites - Army Wide
Ready for Training Date - 2QFY99 because systems are issued by battalion sets.

								Date:		
	Exhibit P-5a, Budget Procurement H	listory ar	urement History and Planning					Fe	February 1998	60
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53702062					Multiple In	tegrated Laser	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	em (MILES	2000) (NA	0101)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ντο	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
H. M113 Armored Personnel Carrier (APC) FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	309 150	9	Yes		
I. M2/M3 Fighting Vehicle FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	30-Juf 96-Juf	492	<u> </u>	Yes		
J. M1A1 Tank FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	236	တ တ	Yes	· · · · · · · · · · · · · · · · · · ·	
K. M240 Machine GunFY 98FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	132		Yes		
L. Independent Target System FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	703	e e	Yes		
M. Controller Device FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	Jul-98 Jul-99	516 250	- 2	Yes		
DEMANCE.										

REMARKS:

Naval Air Warfare Center (NAWC)
No production award in FY97 due to delays in contractor testing.
Sites - Army Wide
Ready for Training Date - 2QFY99

Item No. 170 Page 6 of 44 316

Procure	story and P
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Appropriation / Budget Activity/Serial No: OTHER PROCUREMENT /Other Support Equipment / 53702062 WBS Cost Elements:			Similar I am f 1000011 months of the comment					L.	February 1998	98
OTHER PROCUREMENT /Other Support Equipment / 53702062 //BS Cost Elements:		Weapon System Type:	əm Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
/BS Cost Elements:					Multiple Ir	ntegrated Lase	Multiple Integrated Laser Engagement System (MILES 2000) (NA0101)	stern (MILES	2000) (N/	(10101)
Fiscal Years	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	QTY Each	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Arms Alignment	Cubic Defense, San Diego, CA		NAWC, Orlando, FL	Mar-98 Mar-99	Jul-99 Jul-99	229	2		II PAC	
O. Main Gun Signature Simulator FY 98 FY 99	Cubic Defense, San Diego, CA	Option Option	NAWC, Orlando, FL	Mar-98 Mar-99	98-Inc	236	വവ	5 Yes 5 Yes		
REMARKS: Naval Air Warfare Center (NAWC) No production award in FY97 due to delays in contractor testing. Sites - Army Wide Ready for Training Date - 2QFY99	s in contractor testing.								<u>-</u>	

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		Exhibit P-4	Exhibit P-40, Budget Iter	em Justifica	m Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	Ire:					
ОТНЕР	OTHER PROCUREMENT /Other Support Equipment / 53702062	ner Support Equipme	nt / 53702062					Air Ground Enga	Air Ground Engagement System (AGES II) (NA0101)	S II) (NA0101)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:						
				⋖			OMA-115013	15013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	0.0	0.0	16.1	0:0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1
Initial Spares												
Total Proc Cost	0.0	0.0	16.1	0:0	0.0	0:0	0.0	0.0	0.0	0.0	0.0	16.1
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

(HGSS). The training devices provide integrated and removable components for eye-safe laser operations to accurately simulate the vulnerability characteristics, weapon AGES II expands the current Multiple Integrated Engagement System (MILES) by incorporating MILES training devices for the AH-64, OH-58D, OH-58D Kiowa Warrior, characteristics and weapons effects of the platform being simulated. The AGES II training devices provide transparent operation to the crew(s) in employing, operating switchology skills are prone to decay over time. The AGES II devices allow the flight and ground crews to conduct simulated combat operations allowing evaluation of and engaging with their weapon systems using the onboard tactical weapon systems with eye-safe lasers to simulate live ordnance. AGES II system features include: individual, crew, collective and force-on-force training. The simulations significantly enhance the soldier's/unit's ability to achieve the maneuver firepower required to eye-safe range finding operations out to 10 kilometers, Hellfire missile simulation out to eight kilometers, 30 millimeter cannon simulation out to three kilometers, and CH-47D, UH-60A, UH-60L helicopters and the Field Artillery Ground/Vehicle Laser Locator Designator (G/VLLD), referred to as the Hellfire Ground Support System destroy the enemy. These devices are critical to sustaining combat readiness since the proper weapon employment, engagement techniques and weapon system hydra 70 rocket simulation (direct fire only) out to six kilometers using all tactical modes of weapon employment. AGES II is a training system that can be used for critical tasks at the Combat Training Centers.

Item No. 170 Page 10 of 44 320

Budget Item Justification Sheet

Exhibit P-40,

								Date:		
	Exhibit P-5a, Budget Procurement	ilstory ar	urement History and Planning					F	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:			ı	
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WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	QTY	Unit Cost	Specs	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	_	Avail	
A. AH-64 Hardware FY 96	Lockheed/Martin, Pomona, CA	SS/FP	NAWC, Orlando, FL	Feb-96	76-InC	62	500	Yes		
B. AH-64 AIBS Kits FY 96	Lockheed/Martin, Pomona, CA	SS/FP	NAWC, Orlando, FL	Feb-96	Oct-96	30	25	Yes		
	·									
пемапкз: Naval Air Warfare Center (NAWC) Delivery Sites - Army Wide Ready for Training Date - 3QFY95										

Item No. 170 Page 12 of 44 322

Exhibit P-5A, Procurement History and Planning

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Item No. 170 Page 14 of 44 · 324

Exhibit P-21, Production Schedule

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet					February 1998		-
Appropriation / Budget Activity/Serial No:	No:					P-1 item Nomenclature:	.e.					
ОТНЕВ	OTHER PROCUREMENT /Other Support Equipment / 53702062	ner Support Equipme	int / 53702062				Abr	ams Full-Crew Intera	Abrams Full-Crew Interactive Simulation Training (AFIST) (NA0101)	ing (AFIST) (NA010	1)	
Program Elements for Code B Items:	::			Code:	Other Related Program Elements:	am Elements:						
				V			OMA-115013	15013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	8.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	8.6	6.4	0.0	0:0	0.0	0.0	0.0	0:0	0:0	15.0
Initial Spares												
Total Proc Cost	0:0	0.0	8.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0
Flyaway U/C												
Wpn Sys Proc U/C												

AFIST is a deployable tank-appended training device used to train armored crewmen in full-crew interactive gunnery techniques and procedures on the M1/M1A1 series of tanks. Using actual tank controls, it trains precision and degraded mode gunnery tasks to attain/sustain precision tank gunnery proficiency. The simulation provides both desert and European databases and generates interactive visual and aural effects. DESCRIPTION:

Exhibit P-5, Weapon	ŕ	Appropriation/ Budget Activity/Serial No:	get Activity/9	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53702062	JREMENT /(nent / 53702	Other Support 1062		Abrams F	Abrams Full-Crew Interactive Simulation	ive Simulation				Fet	February 1998
OPA	₽		FY 96			FY 97	N (1818) Silling	7000	FY 98			EV 90	
Cost Elements	8	_	Qty	UnitCost	TotalCost	aty	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	οţ	UnitCost
		000\$	Each	\$000	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
A. Hardware	⋖	7290	27	270	5678	21	270		-				
B. ADA Software Maint Support		390										,,,,	
C. Interim Contractor Logistics Support		350			101	_							
D. ECPs		405			247								
E. In-House Gov't Engineering Support		06			136								
F. Other Gov't Agencies Engineering Spt		25	•		181								
G. Contractor Engineering Support					34								
TOTAL		8550			6377								

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Item No. 170 Page 16 of 44 326

Exhibit P-5, Weapon System Cost Analysis

7	Evhihit D.F. Budget Drougent History and Diamine	Lietory of	O Donning					Date:		
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53702062	52				Abrams	Full-Crew Inte	Abrams Full-Crew Interactive Simulation Training (AFIST) (NA0101)	Training (Al	IST) (NAC)101)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	γTO	Unit Cost	Specs Avail		RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
A. Hardware FY 96	Ind Data Link San Diego CA	Ontion	NAWC Orlando El	Feb. 06	90-090	26	026			
FY 97	Ind Data Link, San Diego, CA	Option	NAWC, Orlando, FL	Dec-96	May-97	18	270	Yes		
FY 97	Ind Data Link, San Diego, CA	Option	NAWC, Orlando, FL	Jan-97	Jun-97	2	270			
FY 97	Ind Data Link, San Diego, CA	Option	NAWC, Orlando, FL	Ang-97	Jan-98	-	270			
									-	
B. Transit Cases										
FY95	Ind Data Link, San Diego, CA	Option	NAWC, Orlando, FL	Jun-95	Dec-95	442		Yes		
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				<u></u>						
REMARKS: FY96 and FY97 System buys incluc	FY96 and FY97 System buys include transit cases in the cost for each system. FY95 Transit cases cost \$380 each.	tem. FY95 T	ransit cases cost \$380 each	<u>ن</u> ــــ						
Due to delay in receipt of entire FYS	Due to delay in receipt of entire FY97 appropriation, two separate options were awarded	vere awarded	τi							

FY96 and FY97 System buys include transit cases in Due to delay in receipt of entire FY97 appropriation, 3rd option possible due to change in requirements.

Delvery Sites - National Guard Sites
Ready for Training Date - 4QFY95
Naval Air Warfare Center (NAWC)
Type of Contract - 8AFFP

						f	P-1 Item Nomenclature:	Nomer	clature	١									Ë	Date:	l	l		l	ŀ	ı	Γ
FY 98 / 99 BUDGET PRODUCTION SCHEDULE	JCTION	SCH	IEDUL	Ш			⋖	brams	Abrams Full-Crew Interactive Simulation Training (AFIST) (NA0101)	* Intera	ctive S	mulatio	n Trair	ing (AF	1ST) (VA010	£						Febru	February 1998	86		
		-	۲		ACCEP.	BAL				Fiscal Year 96	Year	96								Fiscal Year 97	IYea	r 97				H	L
				ΔŢ			$ \ $	П			$\lceil \rceil$	Calendar		Year 96	9			Н			alen	ıdar	Calendar Year 97	97			⋖
COST ELEMENTS	F F		ш с >		100 t	AS OF 1 OCT	z o >	ошо	¬ ∢ Z	T H B	< σ α	∑ < ≻	7 D Z	ر U د U د G	SПσ	00+	z 0 >	о ш O	7 < Z	T H B	- v E	∑ ∢ ≻	7 D Z	ר כ י	∢ ⊃ ຫ	υшσ	⊢ш∝
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B. Transit Cases	1 FY 95	35	, 4	442	0	442		69	89 89	89 8	82	82		Н	Ц				Н	Н							
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Item No. 170 Page 18 of 44 328

Exhibit P-21, Production Schedule

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1A Ind Data Link, San Diego, CA	t	-			27		_		REORDER	DEB L	+	+					t	3 =	, _	╀	5 5		7000	nfigura	ation tir	reconfiguration time was required.	requir	ed.	
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		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet			oale:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53702062	her Support Equipme	ant / 53702062					Епдадетеп	Engagement Skills Trainer (EST) (NA0101)	(NA0101)		
Program Elements for Code B Items:	.s			Code:	Other Related Program Elements:	am Elements:						
	654715			æ			115013	113				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prod
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	6.2	18.9	19.2	24.2	8.4	0.0	76.9
Less PY Adv Proc								-				
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	6.2	18.9	19.2	24.2	8.4	0.0	76.9
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	6.2	18.9	19.2	24.2	8.4	0.0	76.9
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION:												

The Engagement Skills Trainer (EST) provides individual and crew weapon marksmanship at the squad level for collective training. Squad leaders will also be able to control and evaluate individual, team and squad performance.

JUSTIFICATION:

gunnery and marksmanship training for all small arms. The annual ammunition savings will pay for the program within five years. Included in the EST are the M16A2, M9 pistol, MK19, MZ49 SAW, M60 Machine Gun, M2 Machine Gun and the capabilities to include many others. has an existing and continual need to train soldiers' marksmanship skills for all of its small arms weapons. Currently millions of dollars are spent annually in ammunition The FY99 funding program procures 27 ESTs. FY99 RDTE effort is required to develop scenarios and the training support package to meet the user's need. The Army costs to train and qualify marksmanship skills. Use of the EST will provide a significant savings in ammunition costs while providing validated transfer of training for

Exhibit P-40, Budget Item Justification Sheet

	Ì	Appropriation/ Budget Activity/Serial No:	iget Activity/	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		Equip	Equipment / 53702062	Otrier Support		Епдадете	Engagement Skills Tramer (EST) (NAU101)	151) (NAU101)				Febr	February 1998
OPA	QI		FY 96			FY 97			FY 98			FY 99	
Cost Elements	8	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	ģ	UnitCost	TotalCost	οţὸ	UnitCost
	П	000\$	Each	000\$	000\$	Each	\$000	\$000	Each	\$000	\$000	Each	\$000
A. Hardware	æ										5400	27	200
B. Test Support											94		
C. In-House Engineer Support										-"	153		
D. Other Gov't Agencies Engineer Support											. 110		
E. Iterim Contractor Logistic Support											419		
F. Technical Data											45		
TOTAL						, .					6221		
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		Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Fe	February 1998	8
Appropriation / B	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PRO	OTHER PROCUREMENT /Other Support Equipment / 53702062						Engageme	Engagement Skills Trainer (EST) (NA0101)	ST) (NA010	(11	
WBS Cost Elements:	ants:	Contractor and Location	Contract	Location of PCO	Award Date	Date of First	ΩTY	Unit Cost	Specs	Date F	RFP Issue
Fiscal Years			and Type			Delivery	Each	\$000		Avail	
A. Hardware FY 99		TBS	FFP	NAWC, Orlando, FL	Dec-98	Apr-99	27	200	Yes		
REMARKS:	Naval Air Warfare Center (NAWC) Original award date estimate, revised award date based on current program status. Delivery Site - TBS Ready for Training Date - 4QFY99	vard date based on current program	status.								

Item No. 170 Page 22 of 44 332

Exhibit P-5A, Procurement History and Planning

	-	001101		L			P-1 Item Nomenclature:	n Nom	enclati	ire:										Date:								
FT 98 / 99 BUDGE! PRODUCTION SCHEDULE	₹	ON NO		İ	Ì		ı		ũ	Engagement Skills Trainer (EST) (NA0101)	ent Sk	ills Trai	ner (E)	E.	40101)	ł		i		╛				ebrua	February 1998	_		
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Exhibit P-21, Production Schedule

		Exhibit P-4	0, Budget It	Exhibit P-40, Budget Item Justification Sheet	ition Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	I No:					P-1 Item Nomenclature:	ıre:					
ОТНЕВ	OTHER PROCUREMENT /Other Support Equipment / 53702062	ner Support Equipme	nt / 53702062				Tank	Tank Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)	s/Precision Gun Sys (TWGSS/PGS) (NAC	1101)	
Program Elements for Code B Items:	,,2			Code:	Other Related Program Elements:	am Elements:						
				¥			OMA-1	OMA-115013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	24.4	18.6	6.7	16.5	17.4	36.3	0.0	0.0	0.0	122.9
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	24.4	18.6	2.6	16.5	17.4	36.3	0.0	0.0	0:0	122.9
Initial Spares												
Total Proc Cost	0.0	0.0	24.4	18.6	2.6	16.5	17.4	36.3	0:0	0.0	0:0	122.9
Flyaway U/C												-
Wpn Sys Proc U/C									:			

DESCRIPTION:

company and battalion level during exercises. Device superimposes real-time tracer image over sight picture in gunner's and commander's sights and simulates (forwards/backwards), cant (side/side), and defilade condition to determine target vulnerability. TWGSS/PGS improves crew/gunner's ability to destroy enemy tanks by Appended, laser-based device used for precision gunnery on Abrams Tanks (TWGSS) and Bradley Fighting Vehicles (PGS) gunnery tables day/night and training at burst over calculated impact point. System operates in real-time. System simulates the main guns (120MM, 105MM, 25MM, 7.62MM coax machine guns and TOW Missiles). Aural effects are provided to crew along with sight obscuration. System has onboard display for crew evaluation (also built in test (bit), ammunition count, automatic alignment) and an After Action Review System. TWGSS/PGS is fully integrated with the vehicle's fire control system requiring crews to use fire control procedures as if firing live ammunition. System utilizes time of flight ballistics and target modeling incorporating aspect angle, ammunition type, range, armor, tilt replicating ballistics, probability of hit/probability of kill, and angle of kill when assessing target hits.

JUSTIFICATION:

FY99 funding continues production of the TWGSS/PGS program, and thru FY99 770/693 TWGSS/PGS devices will have been procured of the approved total requirement Reduction in full caliber ammunition and OPTEMPO resource restrictions has increased the problem of annual peak gunnery proficiency followed by proficiency slump for the active component, National Guard and reserves. Simulated non-firing crew drills, subcaliber firing, and actual main gun firing are the current method of obtaining gunnery proficiency. This strategy will peak the vehicle crews during qualification exercises, but does not sustain the crew's gunnery skills. Thus, combat readiness of 1191/1147 TWGSS/PGS systems. The TWGSS/PGS trains active and reserve components precision gunnery training in support of the Army's combat capability. degradation occurs in between peak gunnery periods.

Item No. 170 Page 24 of 44

Exhibit P-40, Budget Item Justification Sheet

			Date	
Exhibit P-40C Budget Item	tem Justific	Justification Sheet		February 1998
Appropriation / Budget Activity/Serial No.			P-1 Item Nomencfature	
OTHER PROCUREMENT /Other Support Equipment / 53702062			Tank Weapon C	Tank Weapon Gun SIm Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)
Program Elements for Code B Items	Code	Other Related Program Elements	ım Elements	
			OMA-115013	
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The TWGSS/PGS, with its ability to be used anywhere, anytime, will allow the active component, National Guard, and Army Reserve to continue to train and hone gunnery skills on a year round basis at any location (motor pool, local training area, major training area, armory). This ensures that the armor force maintains its combat capability ammunition. Reduction in ammunition allocations, as a result of TWGSS/PGS fielding, saves \$24K per system per year. This is a return on investment in less than 28 at all times. TWGSS/PGS is one of the cornerstones of the combined arms training strategy. It is the basis for much of the gunnery training and sustainment. With TWGSS/PGS we have, for the first time, the ability to analyze errors and make an accurate evaluation of the crew and unit gunnery capabilities, all without firing months.

bit P-5,	€	Appropriation/ Budget Activity/Serial No:	get Activity/	Serial No:		P-1 Line Item	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / Other Support Equipment / 53702062	FROCUREMENT / Other Equipment / 53702062	Jiner Support 062		Tank Weapo	Tank Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)	recision Gun Sys (0101)			•	Febru	February 1998
	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CO	TotalCost	Ωţγ	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
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A. TWGSS	∀	11241	202	26	8775	171	51	4983	92	54	7647	143	53
B. PGS	∢	11777	196	09	9309	174	54	4540	79	57	8613	149	58
C. In-House Gov't Engineering Support		93		,	51			38			33		
D. Contractor Engineering Support		100			88			88			115		
E. ECPs		1206			340						50		
TOTAL		24417			18563		,	9649			16458		

Item No. 170 Page 26 of 44 336

Exhibit P-5, Weapon System Cost Analysis

									Date:		
	Exhibit I	Exhibit P-5a, Budget Procurement History and Planning	History a	nd Planning					ŭ.	February 1998	86
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROC	OTHER PROCUREMENT /Other Support Equipment / 53702062					Tank Weap	on Gun Sim S	Tank Weapon Gun Sim Sys/Precision Gun Sys (TWGSS/PGS) (NA0101)	sys (TWGS	S/PGS) (N	(A0101)
WBS Cost Elements:	ls:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
A. TWGSS											
FY 95		SAAB Training Sys, Sweden	Option	NAWC, Orlando, FL	Mar-95	Aug-95	120	56	Yes		
FY 96		SAAB Training Sys, Sweden		NAWC, Orlando, FL	Oct-95	Mar-96	202	26			
FY 97		SAAB Training Sys, Sweden		NAWC, Orlando, FL	Nov-96	Apr-97	171	51	Yes		
FY 98		SAAB Training Sys, Sweden	Option	NAWC, Orlando, FL	Jan-98	Jun-98	92	54			
FY 99		SAAB Training Sys, Sweden	Option	NAWC, Orlando, FL	Oct-98	Mar-99	143	. 23			
8.59 A											
EY 95		SAAB Training Sys Sweden	Ontion	NAWC Orlando FI	Mar.05	A110-05	77	79	>0		
FY 96		SAAB Training Svs. Sweden	Option	NAWC, Orlando, FL	Oct-95	Mar-96	196	÷ 6			
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FY 98		SAAB Training Sys. Sweden	Option	NAWC Orlando El	180 - CE	80-41	7 6	, L	5 0		
EV 90		CAAB Training Cue Curodon	Option	NAWO Odende El	200	200,000		5 6			
66		SACE Training Sys, Sweden	10000	INAWO, Olianido, FL	06-130 130	Wal-99	94	S C			

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REMARKS:	NAWC = Naval Air Warfare Center										
	PY TWGSS Procurements = 42										

PY TWGSS Procurements = 42
PY PGS Procurements=21
BOI increased by 105 PGS with addition of Air Defense Bradley requirements per training device proponent.
Delivery Sites - Army Wide
Ready for Training Date: 3QFY95

Item No. 170 Page 27 of 44 337

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Item No. 170 Page 28 of 44 · 338

Exhibit P-21, Production Schedule

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	1			Т	REACHED	Number				Prior 1 Oct.		After 1 Oct) Ct	After 1 Oct	Oct.	Afte	After 1 Oct.	Ϋ́	Monthly production rate capabilities are	roductic	n rate c	apabili	ies are
	N N N		1-8-5	MAX.	+ Δ	-	INITIAL		Н			11		31	1		42	χ) per m	outh.	ontracto	or is cur	200 per month. Contractor is currently in
1 SAAB Training Sys, Sweden • DM BDADI EV	-		200	300			REORDER		\dashv		\dashv	0	1	9			9	£ 8	production for same item for other countries. There is no break in	for san	e item i	for othe	_
							REORDER	†_	+		\dagger		+					8	production or rapid ramp-up. Note:	or rapid	ramp-ı	oN G	ë
							INITIAL	T	\vdash		\vdash		T					8	Delay in FMS manufacturing time is due to the translation of all documentation	MS mar	ufacturi	ing time	is due
							REORDER	_	4		H		Ħ					<u>.</u> ₹	into arabic.	· significant			
							INITIAL	†,	+		+		\dagger					Ĭ	FY99 redorder reflected.	rder ref	ected.		
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Item No. 170 Page 30 of 44 340

Exhibit P-21, Production Schedule

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ОТНЕЯ	OTHER PROCUREMENT /Other Support Equipment / 53702062	ther Support Equipme	ant / 53702062					Rang	Range Modernization (NA0105)	105)		
Program Elements for Code B Items:	iS:			Code:	Other Related Program Elements:	am Elements:						
				¥								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	5.6	19.2	2.4	12.3	10.2	10.5	10.7	10.9	0.0	81.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	5.6	19.2	2.4	12.3	10.2	10.5	10.7	10.9	0.0	81.8
Initial Spares												
Total Proc Cost	0.0	0.0	5.6	19.2	2.4	12.3	10.2	10.5	10.7	10.9	0.0	81.8
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

ranges can be operated by an operator-programmer via a computer-controlled console located in the range tower or by a hand-held receiver transmitter. New Generation moving targets under day/night conditions, all of which will be required in a fast moving war. The quantities of each component are tailored to the range configuration of which there are currently 14 different types. Range designs provide training for the basic and advance rifle marksmanship programs and combined arms training of M1 Army Target System (NGATS) supports the Army's Range Modernization initiatives. The system consists of live-fire target mechanisms (infantry and armor, stationary The Range Modernization consists of ranges that incorporate infantry and armor targets, both stationary and moving, that portray realistic opposing target threat to the American Soldier using simulated battlefield conditions. Range Modernization facilitates training in detection, identification, rapid engagement and proper leading of Tank and Bradley Fighting Vehicles (MS IFV/MC CFV), Aerial Gunnery, Cobra and Apache Attack Helicopter, Air Defense Artillery (ADA), and Vulcan. The training and moving), control systems and interfaces to other training systems. NGATS equipment is typically portable, radio- controlled and commercially available.

JUSTIFICATION:

The FY99 program supports the procurement and in-house support for range targetry on ten infantry and seven armor ranges. An Armor Range typically consists of a range control station and varying quantities of infantry, stationary and moving armor targets, and simulators. An Infantry Range typically consists of a range control station and varying quantities of infantry targets and simulators.

Exhibit P-5, Weapon	Ì	Appropriation/ Budget Activity/Serial No:	iget Activity	Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53702062	PROCUREMENT /Othe Equipment / 53702062	Other Support 2062		Ranç	Range Modernization (NA0105)	NA0105)	-			Febr	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	8	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
Range Modernization Hardware	∢							• •					
A. Range Control Station Armor		69	N	35	69		35						
B. Range Control Station Infantry		181	80	23	181	V 80	17 23						
C. Infantry Target Mechanism (ITM)		540	250	2	1388	93	ð - c						
D. Infantry Hostile Fire Simulator E. Low Power Junction Box		305	350	4+	334		V -						
F. Infantry Moving Target Carrier		99	S.	13	523	2 2 00	13						
G. Night Muzzle Flash Sim		16	25	-	120	12 + 5	9 —						
H. Double Target Arm		49	88	-	78 78 28	124 50							
I. Armor Moving Target Carrier (AMTC)		821	6	91	500 1800	<u> </u>	100						
			7		006	<u>.</u> 6	100						
J. narget interfact Unit K. Tank Gun Simulator L. 3D Target		5/ 734 27	350	n 01									
M. Central ModemN. Remote ModemO. Range Modernization InstallationP. Adapter Aux Operation		20 1529 27	4 rv . w	- 4 €	20	4 10	- 4						
NGATS Q. Hand Held Controller Q. Target Interface Assembly S. Tank Target Mech Radio Control T. Tank Target Mech Hard Wire U. Infanty Target Mechanism (ITM)					35 968 610 1288	11 708 92 178	7 7 7				1163	391	W 4
					35			500			1769 2759 910	17 400 417	104
SUBTOTAL		4451			10049			500			9999		

Item No. 170 Page 32 of 44 342

Exhibit P-5, Weapon System Cost Analysis

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Item No. 170 Page 34 of 44 344

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					Date: Fe	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	туре:		P-1 Line Item Nomenclature:	Jomenclature:				
OTHER PROCUREMENT/Other Support Equipment / 53702062						Rang	Range Modernization (NA0105)	JA0105)		
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΔTY	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
A. Range Control Station Armor FY 96	Lockheed Martin, AL	CFFM-5	CFFM-5 (3) ACALA, RI, IL	Mar-96	Mar-98	2	35			
FY 97 FY 97		Option	(4)	Mar-97 Apr-97	May-98 Aug-98	7.2	35			
B. Range Control Station Infantry FY 96	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL	Mar-96	Dec-96	- σ	23			
FY 97 FY 97		Option	(4)	Mar-97 Apr-97	Jan-98 Mar-98	8 8	23 16			
C. Infantry Target Mechanism (ITM) FY 96 FY 97	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL (4)	Mar-96 Mar-97	Sep-96 Jul-98	250 938	2 +			
C*. Infantry Target Mechanism (ITM) FY 97		Option		Sep-97	Apr-99	411	8		No. 1	
D. Infantry Hostile Fire SimulatorFY 96	Lockheed Martin, AL	CFFM-5	CFFM-5 (3) ACALA, RI, IL	Mar-96	Sep-97	Ø	4			
E. Low Power Junction Box FY 96	Lockheed Martin, AL	CFFM-5	CFFM-5 (3) ACALA, RI, IL	Mar-96	Dec-96	350	7			
FY 97		Option	(4)	Sep-97	Jul-98 May-99	909				
F. Infantry Moving Target Carrier							-			
FY 96	Lockheed Martin, AL	CFFM-5	CFFM-5 (3) ACALA, RI, IL	Mar-96	Sep-97	5	13			

REMARKS: Armament and Chemical Acquisition Logistics Activity (ACALA)

								Date:		
	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					ũ	February 1998	98
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		P-1 Line Item Nomenclature:	lomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53702062						Rang	Range Modernization (NA0105)	VA0105)		
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Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
FY 97 FY 97		Option	(4)	Mar-97 Apr-97	Feb-98 May-98	2	13 6			
G. Night Muzzle Flash Sim FY 96	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL	Mar-96	Dec-96	25	-			
FY 97 FY 97		Option	(4)	Mar-97 Apr-97	Apr-98 Apr-98	15	-			-
FY 97			(5)	Sep-97	Jul-98	124	-			
H. Double Target ArmFY 96FY 97	Lockheed Martin, AL	CFFM-5	CFFM-5 (3) ACALA, RI, IL (4)	Mar-96 Mar-97	Jun-96	88	-			
FY 97		Option		Apr-97	Mar-98	52		_		
 Armor Moving Target Carrier (AMTC) 96 	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL	Mar-96	Feb-98	<u> </u>	91			
FY 97 FY 97		Option	(4)	Mar-97 Aug-97	Jun-98 Nov-98	رة 5	9 1			
FY 97			(2)	Sep-97	Jan-99	6	100			
J. Target Interfact Unit FY 96	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL	Mar-96	Mar-97	21	8			
K. Tank Gun Simulator FY 96	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL	Mar-96	Jan-97	350	8	_	-	
REMARKS: Armament and Chemical Acquisition Logistics Activity (ACALA	ogistics Activity (ACALA)									

Exhibit	Exhibit P-5a. Budget Procurement History and Planning	listory a	nd Planning					Date:	900	9
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Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
L. 3D Target FY 96	C.R. Daniels, Ellicott City, MD	CFFP	ACALA, IR, IL	Oct-96	Mar-97	3420				
M. Central Modem FY 96 FY 97	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL (4)	Mar-96 Mar-97	Dec-96 Jan-98	4 4	agen agen			
N. Remote Modem FY 96 FY 97	Lockheed Martin, AL	CFFM-5	CFFM-5 (3) ACALA, RI, IL (4)	Mar-96 Mar-97	Dec-96 Jan-98	വവ	4 4			
P. Adapter Aux Operation FY 96	Lockheed Martin, AL	CFFM-5	(3) ACALA, RI, IL	Mar-96	Jan-97	m	б			
Q. Hand Held Controller FY 97	Lockheed Martin, AL	CFFP	ACALA, RI, IL	Sep-97	Jul-98	-	င	·		
R. Target Interface Assembly FY 97	Lockheed Martin, AL	CFFP	ACALA, RI, IL	Sep-97	Aug-98	708	· ·			
S. Tank Target Mech Radio Control FY 97	Lockheed Martin, AL	CFFP	ACALA, RI, IL	Sep-97	96-Inf	92	2	· · · · · · · · · · · · · · · · · · ·		
T. Tank Target Mech Hard Wire FY 97	Lockheed Martin, AL	CFFP	ACALA, RI, IL	Sep-97	Aug-98	178	7			

REMARKS: Armament and Chemical Acquisition Logistics Activity (ACALA)

Item No. 170 Page 36 of 44 346

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	History a	nd Planning					Date: Fe	February 1998	8
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U. Infantry Target Mechanism (ITM) FY 99	TBS	CFFP	ACALA, RI, IL	Dec-98	96-Inc	391				
V. Controller FY 99	TBS	CFFP	ACALA, RI, IL	Dec-98	Aug-99	15	4			
W. Armor Moving Target Carrier (AMTC) FY 99	TBS	CFFP	ACALA, RI, IL	Dec-98	Sep-99	17	104	.,		
X. Tank Target Mechanism (TTM) FY 99	TBS	CFFP	ACALA, RI, IL	Dec-98	Aug-99	400	2	•		
Y. Armor Tank Kill Simulator (ATKS) FY 99	TBS	CFFP	ACALA, RI, IL	Dec-98	96-InC	417	C)	····		
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	Exhibit P-21, Production Schedule

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Item No. 170 Page 40 of 44

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							Ī	Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	tem Justifica	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Item Nomenclature:	re:					
ОТНЕ	OTHER PROCUREMENT /Other Support Equipment / 53702062	her Support Equipme	int / 53702062				Simula	nted Area Weapons E	Simulated Area Weapons Effects-Radio Frequency (SAWE-RF) (NA0106)	ncy (SAWE-RF) (NAC	0106)	
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
							OMA-115013	15013				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	4.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	4.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4
Initial Spares												
Total Proc Cost	0.0	0.0	4.1	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

equipped with these training devices. The Army requires force-on-force training to sharpen collective tasks skills. The SAWE-RF and MILES II procurement programs have been integrated to support combined factical engagement simulation and casualty assessment instrumentation required to sustain realistic force-on-force training and chemical (NBC). The SAWE-RF system consists of several subsystems at each Combat Training Center (CTC), including the basic SAWE-RF subsystem control The Simulated Area Weapons Effects-Radio Frequency (SAWE-RF) provides a means to simulate in real-time the effects of indirect fire, mines and nuclear, biological Engagement System (MILES II) and will be deployed in field training at each CTC to support force-on-force training. Both sides, blue forces and opposing forces, are exercises at the three maneuver Combat Training Centers (CTC). Soldier fighting skills are honed in a realistic combat environment and learning is enhanced by the station (MCS) and several different detection devices (vehicle, player, etc.). The system is integrated with a block upgrade to the existing Multiple Integrated Laser effect of insightful After Action Reviews (AARs) using graphic and numeric data recorded by the SAWE/MILES II devices.

Exhibit P-5, Weapon	Ì	Appropriation/ Budget Activity/Serial No:	Jget Activity	/Serial No:		P-1 Line Iten	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT /Other Support Equipment / 53702062	PROCUREMENT /Other Fairlipment / 53702062	Other Support		Simulate	Simulated Area Weapons Effects-Radio	Effects-Radio				Feb	February 1998
ΔPA	₽		FY 96			FY 97	BIICY (SAVE-OF	(90108)	FY 98			FV 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	oty	UnitCost	TotalCost	Q.	UnitCost
		000\$	Each	000\$	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	000\$
A. Vehicle Detection Device (VDD)	∢				10212	276	37	ari					
B. Multiple Integrated Target System	⋖				1900	100	19		-		. '		
C. Battery Recharger Kit					451	376	-						
D. In-House Gov't Engineering Support		345			314								
E. Other Gov't Agencies Engineering Spt		52			, ,								
F. Contractor Support Services		200			470	-			-				
G. Contractor Integration Efforts		009			1451								
H. Interim Contractor Logistics Support		1432			1000								
I. Interface Control Doc ECP		100				2							-
J. T72/T80 BMP ECP		100											
K. Battery Safety ECP		975			7								
L. 1" Antenna Standoff ECP		59											
M. Data/Documentation Package					490								***
TOTAL		4136			16295								

Item No. 170 Page 42 of 44 352

Exhibit P-5, Weapon System Cost Analysis

		:						Date:		ſ
	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					F	February 1998	8
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT /Other Support Equipment / 53702062					Simulated /	Area Weapons	Simulated Area Weapons Effects-Radio Frequency (SAWE-RF) (NA0106)	luency (SA)	VE-RF) (N	A0106)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ντο	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000		Avail	
A. Vehicle Detection Device (VDD) FY 97	Lockheed/Martin, Pomona, CA	FFP	NAWC, Orlando, FL	Jan-97	Jan-98	276	37	J		
B. Multiple Integrated Target System FY 97	Lockheed/Martin, Pomona, CA	FFP	NAWC, Orlando, FL	Jan-97	Jan-98	100	19	Yes		
C. Battery Recharger Kit FY 97	Lockheed/Martin, Pomona, CA	FFP	NAWC, Orlando, FL	Jan-97	Jan-98	376	+	Yes		
REMARKS: Naval Air Warfare Center (NAWC)										

Delivery Sites - CTCs Ready for Training Date - 1QFY94

Item No. 170 Page 43 of 44 353

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A. Vehicle Detection Device (VDD)	Н								Н	\vdash	Н	\vdash	L	L	L					1	╀	╂	╌	⊢	上		1	
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Item No. 170 Page 44 of 44 354

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	ω	Exhibit P-40, Budget Item Justification Sheet	, Budget It	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Suppo	rt Equipment				Sir	ANET/CLOSE CO	SIMNET/CLOSE COMBAT TACTICAL TRAINER (NA0170)	TRAINER (NA017	(02	
Program Elements for Code B Items:	3 tems:			Code:	Other Related Program Elements:	ogram Elements:						
	654780			80			ō	OMA - 115013/121014	4			
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	32.5	31.8	29.3	45.3	72.2	113.9	53.6	62.1	0.7	0.0	0.0	441.4
Less PY Adv Proc					18.9							18.9
Plus CY Adv Proc				18.9								18.9
Net Proc (P-1)	32.5	31.8	29.3	64.2	53.3	113.9	53.6	62.1	2.0	0.0	0.0	441.4
Initial Spares												
Total Proc Cost	32.5	31.8	29.3	64.2	53.3	113.9	53.6	62.1	0.7	0:0	0.0	441.4
Fiyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION:												

by emulators and semi-automated forces that provide combat support, combat service support and both friendly and opposing forces. It will train Close Combat Tactical Trainer (CCTT) will be a networked system of manned simulators (Tank, Bradley, FIST-V, HMMWV, M113A3) supported sites and 12 mobile platoon-level sites. Each fixed system will contain a maximum of 40 simulator modules, which is based on the locations of AC divisions and regiments, and will service both AC and RC units. The CCTT fixed facility contains: a simulation bay, sized to accommodate from 27 to 40 manned modules; an Observer Control (OC) and a Tactical Operation Center (TOC); five After Action Rooms (AARs); two Semicrew through battalion level combat elements of close combat units of both the Reserve Component (RC) and Active Component (AC) in their collective tasks as defined in the Mission Training Plan (MTP) for those units. The army will field simulator modules to 10 fixed company-level Automated Forces (SAF) Rooms (Blue and Red) each containing five SAF workstations; Maintenance Control Console (MCC) Room; and a Master Console (MC). The mobile platoon systems contain 4 simulator modules in the tank platoon version and 5 simulator modules in the infantry/cavalry platoon version. Dedicated to the RCs, these mobile systems will be based out of AC installation Training Support Centers (TSCs) but will travel to RC unit armories for training at home station. Note: Prior year funds were expended for SIMNET Program, not CCTT Program. Exhibit P5E reflects only CCTT Program for a total of 408.9M.

				Date
Exhibit P-40C Budget Item Justification Sheet	tem Justi	lication She	et	February 1998
Appropriation / Budget Activity/Serial No.			P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment			SIM	SIMNET/CLOSE COMBAT TACTICAL TRAINER (NA0170)
Program Elements for Code B Items	Code	Other Related Program Elements	ram Elements	
654780	В		WO	OMA-115013/121014

JUSTIFICATION:

FY99 funding is for the production of mobile tank and bradley configurations and fixed site assets. Funding for FY99 provides production buys of 77 fixed site modules and 18 mobile modules. Fielding schedules have been established to support the AC and RC in training the total Combined command and control, communications and maneuver, and to integrate the functions of combat support and combat service support units. These production systems support urgent training requirements of Army to redress the lack of training opportunity for platoon/company team elements. Limited User Test (LUT) completed June 1997. Milestone IIIA (LRIP) planned for 2nd QTR FY98. Milestone III planned for November 1998. Arms Force as a simulated, fully interactive battlefield. The need is to train and sustain collective (crew through battalion) tasks and skills in

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	dudget Act	ivity/Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:	re:	_	Weapon System Type:	Γ	Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other	CUREMEN	VT / 3 / Other		SIMNET/C	SIMNET/CLOSE COMBAT TACTICAL	AT TACTICAL				Febru	February 1998
	٥	done	Support Equipment	ileni			TRAINER (NA0170)						
Cost Elements	<u>2</u> 8	TotalCost	2 2 0	UnitCost	TotalCost		UnitCost	TotalCost	86 26 26	InitCoet	TotalCost	F Y 99	1 InitCoct
		\$000	Each	\$000	\$000	Each	\$000	-	Each	\$000	\$000	Each	\$000\$
CCTT	В												
A. QUICKSTART		23037	42	549	29728								
B. MODULES & SITE EQUIPMENT					3644	4	911	45550	20	911	67325	95	709
C. COMMERCIAL TRAILERS FOR								3218	6	358	6388	48	355
D. LONG LEAD COMMERCIAL IMAGE GENERATORS					18866	78	242						
E. COMMERCIAL IMAGE GENERATORS	S								•		35639	135	264
F. END OF LIFE COMMERCIAL MONITORS AND HEADTRACKERS	- S -	_ ω			4238								
G. PRODUCTION ENGINEERING SUPPORT BY STRICOM/NAWG-		1600			1966			1375			1644		
H. PM SUPPORT			•								906		
I. PRODUCTION ENGINEERING SUPPORT BY CONTRACTORS		2760			3481						264		
J. PRODUCTION ENGINEERING SUPPORT BY GOVT. AGENCIES		1862			2299						995		
K. ENGINEERING CHANGE													
L. IMAGE GENERATOR/PROCESSOR UPGRADES FOR FIELDED								3183			992		
									-				
TOTAL		29259			64222			53326			113927		
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	Exilibit F-3a, budget Frocurement history and Planning	ııstory ar	nd Planning					Ē.	February 1998	98
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		P-1 Line Item Nomenclature:	Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					SIN	NET/CLOSE (SIMNET/CLOSE COMBAT TACTICAL TRAINER (NA0170)	L TRAINE	R (NA0170	6
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	ΔŢ	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
CCTT										
A. QUICKSTART	Lockheed/Martin Information Sys	C/CPIF								
FY 96	Orlando. FL	OPTION	OPTION NAWC, ORLANDO, FL	Jan-96	Aug-96	42	549			
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								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	ıre:					
10	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support	Equipment				•	FIRE SUPPORT COMBINED ARMS TACTICAL TRAI (NA0174)	ABINED ARMS TACT	ICAL TRA! (NA0174	s	
Program Elements for Code B Items:	:Sr			Code:	Other Related Program Elements:	am Elements:						
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	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	EV 2002	EV 2002	Tolomoral	Total
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Gross Cost	0.0	0.0	0.0	22.0	19.4	28.1	25.3	11.8	00	00	0	108.6
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Flyaway U/C											2.5	
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DESCRIPTION												

Phase I will provide battery-level training and feedback in individual skills, crew drills, and partial unit drills in executing indirect fire missions. FSCATT Phase I will consist FSCATT Phase I is to exercise the artillery gunnery team in realistic fire missions with a reduction in expenditure of ammunition and related operational costs. FSCATT suitability and availability, ammunition expenditure and travel related Petroleum, Oil, and Lubricants (POL) costs. Fiscal constraints through FY03 mandate a significant The Fire Support Combined Arms Tactical Trainer (FSCATT) is a two-phased effort to provide training for the field artillery gunnery team. FSCATT Phase I will provide conducted through the use of live fire exercises which lack realism due to safety constraints (e.g. no enemy maneuver or fire). This training is costly in terms of range reduction of ammunition resources for training units. Reduced training resources and increasing ammunition costs prohibit firing sufficient quantities of ammunition to individual and crew-level skills training. FSCATT Phase II will be a collective trainer that simulates fire support within the combined arms tactical trainer. The goal of howitzers; a fire direction center simulator; a collective training controller, and a forward observer trainer interface. Each FSCATT Phase I training sub-system will be capable of being configured to support stand-alone, interactive, and closed-loop operational training modes. In the past, field artillery gunnery team training has been of the following five elements: a simulator that replicates an actual M109A5/A6 self-propelled howitzer turret, strap-on sensors for selected towed and self-propelled attain/sustain the required level of field artillery gunnery team proficiency.

JUSTIFICATION:

arms battlefield for collective task training. By FY99, 646 of the FSCATT Phase I elements will have been procured out of a total of 1,423 required. This is a Department FY99 funds will provide for other realistic and effective weapons training. Effective use of FSCATT will train the gunnery team to deliver accurate and predicted fires without the Operating Tempo (OPTEMPO) and ammunition costs associated with live fire and also permit integration of field artillery units into a combined of the Army Defense Acquisition Pilot Program (DAPP).

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Item No. 172 Page 2 of 6 364

Exhibit P-5, Weapon System Cost Analysis

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory aı	nd Planning					Date:	February 1998	98
Appropriation / Budget Activity/Serial No:		Weapon System Type:	т Туре:		2-1 Line Item ?	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment					FIRE 9	SUPPORT CO	FIRE SUPPORT COMBINED ARMS TACTICAL TRAI (NA0174)	ICTICAL TI	RAI (NAO1	74)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΩTY	Unit Cost	Specs Avail	Date P	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
A. Howitzer Crew Trainer M109A5	Uterboo Trace Adjustes TV) OLEGO	ii Odiva ii o Omivia	0.1	30	ţ		į	ļ	
/s 1 3/	Hughes Tring, Allington, 1X	OPTION	NAWC, ORLANDO, FL	Apr-97	Mar-98	9 5	728	YES		
FY 99	Hughes Trng, Arlington, TX	OPTION		Oct-98	Jun-99	<u> </u>	576	YES		
B. Howitzer Crew Trainer M109A6										
FY 97	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Jun-97	Mar-98		728	YES		-
FY 98	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Mar-98	Dec-98	80	734	YES		
FY 99	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Oct-98	66-unc	23	989	YES		
C. Strap-on Howitzer, Light Towed FY 99	Hughes Trng, Arlington, TX	OPTION	OPTION NAWC, ORLANDO, FL	Oct-98	96-unc	48	10	YES		
D. Strap-on M119 Howitzer. Light Towed										
FY 97	Hughes Trng, Arlington, TX	OPTION	OPTION NAWC, ORLANDO, FL	Apr-97	Mar-98	48	14	YES		
E. Strap-on M198 Howitzer, Med Towed										
FY 97	Hughes Trng, Arlington, TX	OPTION	OPTION NAWC, ORLANDO, FL	Apr-97	Mar-98	16	4	YES		
FY 98	Hughes Trng, Arlington, TX	OPTION	OPTION NAWC, ORLANDO, FL	Mar-98	Dec-98	24	=	YES		
F. Strap-on M109A5 Howitzer, Med Self-Prop										
FY 97	Hughes Trng, Arlington, TX	OPTION		Apr-97	Mar-98	20	17			
FY 98	Hughes Trng, Arlington, TX	OPTION		Mar-98	Dec-98	112	=			
FY 99	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Oct-98	96-unc	96	10			
G. Strap-on M109A6 Howitzer, Med Self-Prop										
FY 99	Hughes Trng, Arlington, TX	OPTION	OPTION NAWC, ORLANDO, FL	Oct-98	66-unf	95	4	YES		
REMARKS: Naval Air Warfare Center (NAWC)										

Naval Air Warfare Center (NAWC)
A.B. - Contract modified to reflect change in U.S. Army Force Structure (Move from M109A5 to M109A6), 25 Jun 97.

Delivery Sites - Army Wide Ready for Training Date: 2QFY98 Type of Contract - FPAF

	Evhihit D.fo. Budget Drougsmont Lintery and Dinning		nd Olonning					Date:		
	CAIIIDIL F-3a, Budget F10curement	r nistory a	nu rianning					L	February 1998	38
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment	pment				FIRE	SUPPORT CO	FIRE SUPPORT COMBINED ARMS TACTICAL TRAI (NA0174)	ACTICAL T	TAN (NAO1	74)
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΔTY	Unit Cost	Specs Avail	Date F Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
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H. Collective Training Control System										
FY 97	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Apr-97	Mar-98	24	52	YES		
FY 98	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Mar-98	Dec-98	၉	42		-	
FY 99	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Oct-98	96-unc	22	41			
I. Strap-on Instructor/Operator Station										
FY 97	Hughes Trng, Arlington, TX	OPTION	NAWC. OBLANDO. FL	Apr-97	Mar-98	33	20	YES		
FY 98	Hughes Trng, Arlington, TX	OPTION	NAWC. ORLANDO. FL	Mar-98	Dec-98	23	17	YES	-	
FY 99	Hughes Trng, Arlington, TX	OPTION	NAWC, ORLANDO, FL	Oct-98	66-unf	22	19	YES		
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REMARKS: Naval Air Warfare Center (NAWC)	AWC)									

Naval Air Warfare Center (NAWC) Sites - Army Wide Ready for Training Date: 2QFY98 REMARKS:

Item No. 172 Page 4 of 6 366

Exhibit P-5A, Procurement History and Planning

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B. Howitzer Crew Trainer M109A6								-				-	\vdash	_	_				H	┝	\vdash	Ļ	_			T	H	
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Item No. 172 Page 6 of 6 368

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item		Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ILO	OTHER PROCUREMENT / 3 / Other Support Equipment	T / 3 / Other Support l	Equipment					CALIBRATIC	CALIBRATION SETS EQUIPMENT (N10000)	1T (N10000)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	am Elements:						
				∢								· ·
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	0.0	6.4	10.0	11.6	18.9	15.9	16.7	0:0	79.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	6.4	10.0	11.6	18.9	15.9	16.7	0.0	79.5
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	6.4	10.0	11.6	18.9	15.9	16.7	0.0	79.5
Flyaway U/C												
Wpn Sys Proc U/C												
O 1401±010010		. .		1.1		4				:		

and the Reference Calibration Sets are an integral part of the Army calibration system and are used by direct support/general support maintenance units worldwide. This traceability to standards established and maintained by the U.S. National Institute of Standards and Technology. The AN/GSM-286 and AN/GSM-287 Calibration Sets DESCRIPTION: Calibration Sets Equipment comprises calibration standards (hardware), accessories, and repair equipment required to perform the Army-wide test, measurement, and diagnostic equipment (TMDE) calibration and repair mission. This equipment provides for accuracy verification of TMDE by maintaining legal program supports the TMDE required to assure the operability, accuracy, and effectiveness of the Army's weapon systems.

technologically advanced weapon systems such as the Multiple Launch Rocket System, Apache, Bradley Fighting Vehicle, and Patriot are maintained in the proper state Electro-Optics Test Facility. The electro-optics calibration workstation will provide reference level support for the photonics standards as well as upgrading support for JUSTIFICATION: The FY 99 funding provides for replacement of obsolete calibration standards and for procurement of state-of-the-art equipment required to ensure of readiness. The FY 1999 funds will be used to procure force/torque calibration systems and synthesized sweep generators to replace obsolete equipment which is existing electro-optical standards and fiber-optic power meters. The FY 1999 funding will also provide for upgrade of 16 HP8902 Attenuator Calibrators to increase photonics standards programmed in FY 1999 are required to support new and emerging photonic test equipment including the Integrated Family of Test Equipment becoming unsupportable and is very expensive to maintain. The force/torque system will also add direct readout capability to decrease measurement times. The microwave measurement capabilities at the reference level and for procurement of additional quantities of the Wattmeter RF Amplifier, Instrument Controller, and Attenuator Calibrator to satisfy the total requirement for these items.

NOTE: This item was funded in OPA2 prior to FY 1998.

Exhibit P-5, Weapon	Ì	Appropriation/ Budget Activity/Serial No:	dget Activity.	/Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:		_	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCU	REMENT/3 Equipment	OTHER PROCUREMENT / 3 / Other Support Equipment		CALIBRAT	CALIBRATION SETS EQUIPMENT (N10000)	MENT (N10000)				Febru	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	000\$	000\$	Each	000\$	000\$	Each	\$000	000\$	Each	\$000
Hardware: High Accuracy Multimeter (Model 3458A) Reference Pressure Calibrator Wattmeetr RF Amplifier Instrument Controller Attenuator Calibrator Electro-Optics Calibration Workstation Hydraulic Pressure Standard Photonics Standards, Transfer HP8902 Reference Upgrade Calibration Measurement System Synthesized Sweep Generator Force/Torque Calibration System Acquisitions Less than \$200,000 Government Engineering/Support	444444444							1116 450 521 1353 545 545 6418					36 150 150 18 18 121

Item No. 173 Page 2 of 10 370

Exhibit P-5, Weapon System Cost Analysis

Item No. 173 Page 3 of 10 371

								Date:		
	Exhibit P-5a, Budget Procurement History and Planning	History ar	nd Planning					_	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	туре:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						CALIBRATI	CALIBRATION SETS EQUIPMENT (N10000)	JENT (N1	(0000	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	ΥTO	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
High Accuracy Multimeter (Model 3458A) FY 98	Hewlett Packard, Palo Alto, CA	C/FP*	АМСОМ	Mar-98	Jun-98	180	9	٨	N/A	N/A
Reference Pressure Calibrator FY 98	TBS (1)	C/FP	AMCOM	Apr-98	Oct-98	တိ	15	>	A/N	N/A
Wattmeter RF Amplifier FY 97	Antenna Research, Beltsville, MD	C/FP	MICOM	Mar-97	Sep-97	15	34			
FY 98 FY 99	Antenna Research, Beltsville, MD Antenna Research, Beltsville, MD Antenna Research, Beltsville, MD	C/Option C/Option		Apr-97 Mar-98 Dec-98	Sep-98 May-99	40 15 31	35 36 36	>>	₹ ₹ Ž Ž	A A Z Z
Instrument Controller FY 98 FY 99	TBS (2) TBS (2)	C/FP AMCOM	AMCOM AMCOM	Mar-98 Dec-98	Jun-98 Feb-99	265	വവ	>>	A A Z Z	Sep-97 N/A
Attenuator Calibrator FY 98 FY 99	TBS (3) TBS (3)	C/FP C/Option	AMCOM	Jun-98 Dec-98	Dec-98 Apr-99	54	10	> >	Z Z Z Z	Nov-97 N/A
Electro-Optics Calibration Workstation FY 99	.TBS (4)	C/FP	АМСОМ	Mar-99	Sep-99	9	70	z	Feb 98	Feb 98 Jun-98
Hydraulic Pressure Standard FY 99	Volumetrics, Paso Robles, CA	C/Option AMCOM	АМСОМ	Mar-99	Sep-99	101	9	>	A/N	N/A
REMARKS: This item was funded in OPA2 prior to FY 1998. The Calibration Sets Equipment acquisitions are numerous; therefore, only acquisitions totaling \$200,000 or more are identified above.	 FY 1998. sitions are numerous; therefore, only a	acquisitions	totaling \$200,000 or more ar	e identified	above.					

*Contracted from the GSA Federal Supply Schedule.

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Date:	February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		2-1 Line Item I	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						CALIBRATI	CALIBRATION SETS EQUIPMENT (N10000)	MENT (N1	(000	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	οīγ	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Photonics Standards, Transfer FY 99	TBS (5)	C/FP	AMCOM	Mar-99	Sep-99	9	150	z	Jun 98 Oct-98	Oct-98
HP8902 Reference Upgrade FY 99	Hewlett Packard, Palo Alto, CA	SS/FP	АМСОМ	Mar-99	Sep-99	. 16	40	z	Jun 98 Oct-98	Oct-98
Calibration Measurement System FY 99	TBS (6)	C/FP	АМСОМ	99-un	Dec-99	_	400	z	Oct 98 Jan-99	Jan-99
Synthesized Sweep Generator FY 99	TBS (7)	C/FP	АМСОМ	Apr-99	Oct-99	33	18	z	Jul 98 Nov-98	Nov-98
Force/Torque Calibration System FY 99	TBS (8)	C/FP	АМСОМ	Mar-99	Sep-99	38	12	z	Jun 98 Oct-98	Oct-98

REMARKS:

This item was funded in OPA2 prior to FY 1998.

The Calibration Sets Equipment acquisitions are numerous; therefore, only acquisitions totaling \$200,000 or more are identified above.

Exhibit P-5A, Procurement History and Planning

Item No. 173 Page 4 of 10 372

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Item No. 173 Page 10 of 10 378

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		Exhibit P-4	Exhibit P-40, Budget Item	tem Justific	Justification Sheet			Oale.		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	ë					
0	OTHER PROCUREMENT / 3 / Other Support Equipment	IT / 3 / Other Support	Equipment		- 		€	VTEGRATED FAMILY	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) (MB4000)	ENT (IFTE) (MB4000	(0	
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
				⋖								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty)
Gross Cost	0:0	0.0	0.0	0.0	34.2	54.1	48.3	70.2	50.7	57.3	0.0	314.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	34.2	54.1	48.3	70.2	50.7	57.3	0.0	314.8
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	34.2	54.1	48.3	70.2	50.7	57.3	0.0	314.8
Flyaway U/C												i
Wpn Sys Proc U/C												
DESCRIPTION: The Information Comily of Took Equipment (IETE) in the Association of the As	l potorpotal o	Comily of Too	+ Carrimont	/ICTEN is the	A						1,11	

systems. The IFTE systems provide electronic fault isolation, test, and repair capabilities at all levels of maintenance, and do it more cost effectively than system-specific testers. The IFTE family consists of three systems: The Base Shop Test Facility for direct and general support, the Contact Test Set (CTS) and follow-on CTS (Soldier Tactical Unmanned Aerial Vehicle, Army Tactical Missile System, Enhanced Position Location Reporting System, Blackhawk and Chinook helicopters, and the Army's Portable On-System Repair Tool) for organizational support, and the Electro-Optics Test Facility for electro-optical support. The following weapon systems depend in DESCRIPTION: The Integrated Family of Test Equipment (IFTE) is the Army's program to provide automatic test equipment capable of supporting multiple weapon whole or in part upon IFTE for maintenance support: Abrams, Avenger, Kiowa Warrior, Longbow Apache, Multiple Launch Rocket System, Paladin, Sentinel, Joint entire fleet of diesel engine powered wheeled and tracked vehicles.

planned for future fielding. The IFTE has been designated the Army's standard family of automatic test equipment (one of two Department of Defense standard families), JUSTIFICATION: The FY 1999 funds will provide for procurement of test equipment to support the Kiowa Warrior, Longbow Apache, Paladin, MLRS, Avenger, Sentinel, maintenance levels generates substantial long-term operations and support cost savings by eliminating the need for more costly system-specific testers and by enabling and other weapons and support systems. The IFTE provides the capability to support existing weapon systems as well as the even more electronics-intensive systems and its use by weapon system developers is mandated by the Army Acquisition Executive. The capability of IFTE to support many different weapon systems at all retirement of the aging and increasingly unsupportable testers currently in the field.

NOTE: This item was funded in OPA2 prior to FY 1998.

Ω	_	Appropriation/ Budget Activity/Serial No:	dget Activity	'Serial No:		P-1 Line Ite	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Fouriement	REMENT/3 Fournment	/ Other Support		NTE C	INTEGRATED FAMILY OF TEST	Y OF TEST				Febr	February 1998
ABO	₽		FY 96			FY 97	ECUIPMENT (IFTE) (MB4000)	(MD4000)	FY 98			FY 99	
Cost Elements	9	TotalCost	Oty	UnitCost	TotalCost	ģ	UnitCost	TotalCost	δ	UnitCost	TotalCost	δίο	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	\$000	Each	\$000
BASE SHOP TEST FACILITY									1 - 84				
Hardware Other	∢							10628 4534	Ω	2126	11664 4923	Ŋ	2333
SUBTOTAL								15162			16587		
CONTACT TEST SET (SPORT)*										11-01	•		
Hardware Other	∢		,					17248. 1807	1749	10	21365 2194	2197	10
SUBTOTAL								19055	-		23559		
ELECTRO-OPTICS EQUIPMENT*													
Hardware Other	∢										9600 4305	4	. 2400
SUBTOTAL											13905		
TOTAL								34217			54051		
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Item No. 174 Page 2 of 17 380

Exhibit P-5, Weapon System Cost Analysis

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	tem Justific	Justification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
†LO	HER PROCUREMEN	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					BASESH	BASE SHOP TEST FACILITY (MB4001)	MB4001)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty					5	5	5	2				17
Gross Cost	0.0	0.0	0.0	0.0	15.2	16.6	17.0	14.9	4.3	1.9	0.0	6.69
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	15.2	16.6	17.0	14.9	4.3	1.9	0.0	69.9
Initial Spares												
Total Proc Cost	0:0	0.0	0.0	0.0	15.2	16.6	17.0	14.9	4.3	1.9	0.0	69.6
Flyaway U/C												
Wpn Sys Proc U/C												
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maintenance companies. The BSTF in the field is self-contained, consisting of the tester and associated test program sets mounted in two S-280 shelters, on two five-ton DESCRIPTION: The Base Shop Test Facility (BSTF) satisfies the Army's requirement for general purpose, automatic electronic testing at the direct and general support Irucks, powered by two 60kW generators. The capabilities of this reconfigurable automatic test equipment can be expanded with minimal development to meet new test requirements. The following weapon systems are supported in whole or in part by the BSTF and its commercial equivalent which is used for factory and depot level replacement. The BSTF is fielded to DS/GS companies in division main support battalions, corps and non-divisional DS/GS maintenance companies, and aviation (DS/GS) levels of maintenance. It automatically identifies faults in electronic circuitry and enables immediate repair in the field through circuit card screening and support: Avenger, Kiowa Warrior, Multiple Launch Rocket System (MLRS), Paladin, TOW, and Dragon.

JUSTIFICATION: Funding in FY 1999 will procure BSTFs to support Avenger, MLRS, Paladin, Kiowa Warrior, TOW, and Dragon systems deployed in five active Army weapon systems currently being developed. The BSTF is also facilitating the retirement of older, less reliable testers whose operating and support costs are becoming and Army National Guard units. The BSTF is an Army standard general-purpose tester and is required by Army Acquisition Executive policy to be used in support of prohibitive. It will assume the workloads of and replace the Land Combat Support System, the Electronic Quality Assurance Test Equipment, and the Test Support System with substantial annual operations and support cost savings.

NOTE: This item was funded in OPA2 prior to FY 1998.

EXhibit P-5, Weapon OPA Cost Analysis	_	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Su	dget Activit	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Ite BASE S	P-1 Line Item Nomenclature: BASE SHOP TEST FACILITY (MB4001)	ITY (MB4001)		Weapon System Type:	јуре:	Date:	Cohman 1000
	_		Equipment				į						
	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	8	TotalCost	Qty		TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	δţ	UnitCost
		\$000	Each	000\$	000\$	Each	000\$	000\$	Each	\$000	\$000	Each	\$000
Hardware Government Furnished Equipment Test Program Sets Engineering Changes Quality Verification Testing Depot Support Production Engineering/Support Configuration Management Quality Assurance Logistics Products/Support Government Technical Services Confractual Engineering/Technical Services TOTAL	<							10628 582 330 1079 330 283 284 150 1156 1562			11664 625 625 3300 340 450 450 450 600 249 16587		2333

Item No. 174 Page 4 of 17 382

Exhibit P-5, Weapon System Cost Analysis

								Date:		
Exhibit I	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning						February 1998	86
Appropriation / Budget Activity/Serial No:		Weapon System Type:	п Туре:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						BASE SI	BASE SHOP TEST FACILITY (MB4001)	TY (MB400	Ē	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	σт	Unit Cost	Specs	Date Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000	Now?	Avail	
Base Shop Test Facility										
FY 96	Northrop Grumman, Bethpage, NY	SS/FP	MICOM	Apr-96	Mar-98	7	1998			
FY 96	Northrop Grumman, Bethpage, NY	SS/Option MICOM	MICOM	96-unf	Oct-98	-	1998			
FY 97	Northrop Grumman, Bethpage, NY	SS/Option MICOM	MICOM	Nov-96	Nov-98	9	1731			
FY 97	Northrop Grumman, Bethpage, NY	SS/Option MICOM	MICOM	Feb-97	May-99	_	1731			
FY 98	Northrop Grumman, Rolling	SS/Option AMCOM	AMCOM	Mar-98	96-unc	2	2126	>	Υ V	ΑN
FV 99	Morthrop Grumman Bolling	MOOMA acitaO/SS	MOOMA	00	Mar	L	C			
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REMARKS: This item was funded in OPA2 prior to FY 1998.	FY 1998.									

Insitem was juried in OFAZ prior to F1 1990.
Unit prices fluctuate because of variances in the total quantities procured each year. Total quantities procured include purchases by other customers which are not reflected

Configuration change in FY 1997 to remove radio frequency test components reduced the unit price for undelivered units from FY 1996 and FY 1997 contract awards and for future years' production.

Exhibit P-5A, Procurement History and Planning

Exhibit P-21, Production Schedule

	CITOLI	0		L			P-1 te	P-1 Item Nomenclature:	nencla	ture:										Date:	ini						
LT 36/39 BUDGE! PRODUCTION SCHEDULE	3	202	2			1			١	BASE	BASE SHOP TEST FACILITY (MB4001)	TEST	FACIL	<u>₹</u>	34001)	Ì				4				ebrua	February 1998		
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Item No. 174 Page 6 of 17 384

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCTI	ON SCI	HEDUL	mi			P-1 lfe	P-1 Item Nomenclature: BASE	nencla	ature: BASE	ure: BASE SHOP TEST FACILITY (MB4001)	, TEST	FACIL	ITY (M	B4001	_				Date:	ini		ı.	February 1998	, 1998		
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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	tion Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
ĖO	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support &	equipment:					CONTACT	CONTACT TËST SET (SPORT) (MB4002)	(MB4002)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				¥								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty					2691	2197	1921	3844	3325	4142	Cont	Cont
Gross Cost	0.0	0.0	0.0	0.0	19.1	23.6	18.8	40.8	37.8	46.8	Cont	Cont
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	19.1	23.6	18.8	40.8	8.78	46.8	Cont	Cont
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	19.1	23.6	18.8	40.8	37.8	46.8	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												

software into weapon system on-board computer processors. The CTS is in wide use throughout the Army's ground combat and combat service support vehicle fleets as DESCRIPTION: The Contact Test Set (CTS), and its follow-on CTS (Soldier Portable On-System Repair Tool) (SPORT), are lightweight, ruggedized portable on-system testers. They are used at all levels of maintenance to automatically diagnose weapon system operations, both electronic and automotive, and identify faulty components specialties, the CTS and CTS (SPORT) are the Army's primary platforms for paperless interactive and electronic technical manuals and for downloading mission-critical for immediate replacement. Because they are portable automatic testers with all the inherent computer capabilities and are used by many different maintenance well as in the Army Aviation fleet of aircraft.

JUSTIFICATION: The FY 1999 funds will provide for procurement of hardware to support Longbow Apache, Bradley Fight Vehicle System (M2A3), Sentinel, Paladin, Joint Tactical Unmanned Aerial Vehicle, and the Family of Medium Tactical Vehicles and other Army wheeled vehicles. The CTS and CTS (SPORT) are the Army's standard on-system testers and are essential maintenance tools in the support plans for the Army's ground vehicle and aviation fleets.

NOTE: This item was funded in OPA2 prior to FY 1998.

Exhibit P-40,

Budget Item Justification Sheet

bit P-5,	Α,	Appropriation/ Budget Activity/Serial No.	dget Activity/	Serial No:		P-1 Line Iter	P-1 Line Item Nomenclature:			Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment	/ Other Support		CONTAC	CONTACT LEST SET (SPORT) (MB4002)	JH1) (MB4002)				Febru	February 1998
	QI		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Oty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	H	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000
Hardware* Accessories Production Engineering Goulity Assurance Government Technical Services Contractual Engineering/Technical Services TOTAL	<							17248 150 600 519 370 120 19055	1749		21365 300 618 534 501 181 181 23559	2197	0

		Exhibit P-5a, Budget Procurement H	listory ar	urement History and Planning					Date:	February 1998	98
Appropriation /	Appropriation / Budget Activity/Serial No:		Weapon System Type:	m Type:		P-1 Line Item Nomenclature:	Nomenclature:				
ОТНЕВ	OTHER PROCUREMENT / 3 / Other Support Equipment						CONTACT	CONTACT TEST SET (SPORT) (MB4002)	RT) (MB40)	02)	
WBS Cost Elements:	nents:	Contractor and Location	Contract Method	Location of PCO	Award Date	Award Date Date of First	ΛIO	Unit Cost	Specs	Date F	RFP Issue
Fiscal Years			and Type			Delivery	Each	\$000		Avail	Oale
Contact Tes	Contact Test Set (SPORT)										
FY 96		Miltope Corp, Hope Hull, AL	C/FP	MICOM	96-unc	Jan-98	80	13			
FY 97		Miltope Corp, Hope Hull, AL	C/Option	MICOM	Dec-96	Mar-98	217	7			
FY 98		Miltope Corp, Hope Hull, AL	C/Option AMCOM	AMCOM	Feb-98	Jun-98	870	10	>	X X	K/A
FY 98		Miltope Corp, Hope Hull, AL	C/Option AMCOM	AMCOM	36-Inc	Nov-98	879	10	>	A/N	N/A
F ¥ 99		Miltope Corp, Hope Hull, AL	C/Option AMCOM	AMCOM	Feb-99	Jun-99	2197	10	>	A/N	A/N
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REMARKS:	This item was funded in ODA2 activated	200 F X:								1	Ī

REMARKS: This item was funded in OPA2 prior to FY 1998.
Unit price for FY 1996 includes "first article" costs.
Unit prices vary based on the configuration procured.

Item No. 174 Page 10 of 17 388

Exhibit P-5A, Procurement History and Planning

						11-0	P-1 Item Nomenclature:	nencla	iture:										Date:							
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Item No. 174 Page 12 of 17 · 390

Exhibit P-21, Production Schedule

		Exhibit P-4	Exhibit P-40, Budget Item	tem Justific	Justification Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	.e.					
πo	HER PROCUREMEN	OTHER PROCUREMENT / 3 / Other Support Equipment	Equipment					ELECTRO.	ELECTRO-OPTIC EQUIPMENT (MB4003)	(MB4003)		
Program Elements for Code B Items:	:s			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												
Gross Cost	0.0	0.0	0.0	0.0	0.0	13.9	12.5	14.5	8.6	8.6	Cont	Cont
Less PY Adv Proc												
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Net Proc (P-1)	0.0	0.0	0.0	0.0	0.0	13.9	12.5	14.5	8.6	8.6	Cont	Cont
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	0.0	13.9	12.5	14.5	9.6	8.6	Cont	Cont
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: The Integrated Family of Test Equipment (IETE) Flecting Option Test Equipments for forward-looking	a Integrated	Family of Tee	+ Fourinment	(IETE) Flaci	tro-Ontice Tea	at Facility (FC	TE) will eatic	fy test and d	isonoctic red	niremente fo	or forward-loo	ing

equipment. This equipment will support Kiowa Warrior, Longbow Apache, and Improved Target Acquisition System initially and will be capable of replacing aging EO test electro-optics (EO) tester within a commercial open architecture for electronics. The IFTE EO program is in concert with Army and DoD policies on general-purpose test EOTF capitalizes on Army and Department of Defense (DoD) investments by integrating components from the IFTE Base Shop Test Facility and the Navy's standard DESCHIPTION: The integrated Family of Lest Equipment (IFTE) Electro-Optics Test Facility (EOTF) will satisfy test and diagnostic requirements for forward-looking infrared systems, thermal imaging devices, laser designators/range finders, television cameras and display systems, direct view options systems, and trackers. The equipment such as the Electronic Equipment Test Facility currently supporting other Army systems in the field when it becomes cost effective to do so.

JUSTIFICATION: The FY 1999 funding will procure equipment to meet EO test and diagnostic requirements for the Kiowa Warrior Mast Mounted Sight and the Apache Target Acquisition Designation Sight/Pilot Night Vision Sensor. The IFTE EOTF is the Army standard off-system EO automatic tester and is capable of supporting multiple weapon systems. It will produce significant operations and support cost savings over use of system-specific testers.

NOTE: This item was funded in OPA2 prior to FY 1998.

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	dget Activity/	Serial No: / Other Support		P-1 Line Iten El ECTRO	P-1 Line Item Nomenclature: El ECTRO-OPTIC EQLIPMENT (MB4003)	ENT (MB4003)		Weapon System Type:		Date:	1000
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Cost Elements	8	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost
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Hardware* Government Furnished Equipment Quality Verification Testing Interim Contractor Support Depot Support Production Engineering Software Engineering/Support Configuration Management Quality Assurance Technical Documentation Logistics Products/Support Government Technical Services TOTAL	<										9600 600 31 350 350 540 661 200 300 4429 644 644		2400

Item No. 174 Page 14 of 17 392

Exhibit P-5, Weapon System Cost Analysis

									Date:		
	Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	History an	nd Planning					Fe	February 1998	
Appropriation / Bu	Appropriation / Budget Activity/Serial No:		Weapon System Type:	п Туре:		P-1 Line Item Nomenclature:	Vomenclature:				
OTHERF	OTHER PROCUREMENT / 3 / Other Support Equipment						ELECTRO	ELECTRO-OPTIC EQUIPMENT (MB4003)	ENT (MB400	(3)	
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REMARKS:	This item was funded in OPA2 prior to FY 1998. Addition of digital testing capability will increase the unit price f	=Y 1998. ncrease the unit price for FY 1999 a	nd future yea	or FY 1999 and future years' procurements.							

Exhibit P-5A, Procurement History and Planning

FY 98 / 99 BUDGET PRODUCTION SCHEDULE	UCT	ON SC	HEDU	ш			P-1 Item Nomenclature: ELEC	n Nom	enclati	ure: LECT!	90.05	ture: ELECTBO-OPTIC EQUIPMENT (MB4003)	Wals	Į į	B4003	Ι.		l		Date:	jej							Г
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Item No. 174 Page 16 of 17 394

Exhibit P-21, Production Schedule

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	tion Sheet					February 1998		
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то	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	quipment					TEST EQUIPMENT	TEST EQUIPMENT MODERNIZATION (TEMOD) (N11000)	TEMOD) (N11000)		
Program Elements for Code B Items:	is:			Code:	Other Related Program Elements:	m Elements:						
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	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
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Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	6.4	13.8	14.5	18.8	15.6	16.4	0.0	85.6
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System, and other major weapons and support systems. The TEMOD procurements are primarily commercial items which have a significant impact on the readiness, DESCRIPTION: The objectives of the Test Equipment Modernization (TEMOD) program are to improve the materiel readiness of Army weapon systems; reduce test, equipment that is essential to continued support of the Abrams tank, Bradley Fighting Vehicle, Apache helicopter, Patriot, Single-Channel Ground and Airborne Radio acquisition of state-of-the-art test equipment to provide new measurement capabilities and to replace obsolete items in the existing inventory of general purpose test equipment at the direct and general support levels. The TEMOD program supports a wide variety of communications and electronics systems, and purchases test measurement, and diagnostic equipment (TMDE) proliferation and obsolescence; and reduce TMDE support costs. These objectives are accomplished through power projection, safety, and training operations of active Army, Army Reserve, and National Guard units. JUSTIFICATION: The FY 1999 funding will provide for purchase of SG-1207A Signal Generators to replace equipment fielded in the early 1980s that is now obsolete and becoming unsupportable. Signal generators provide essential capabilities for repair of tactical and strategic communications systems, particularly those systems operated and maintained by the U.S. Army Intelligence and Security Command and the U.S. Army Signal Command. The FY 1999 funding will also provide for initial purchases of defense communications network and will replace equipment in the current Army inventory that is rapidly becoming obsolete due to changing technology. The RTS,IFF the Local/Wide Area Network (LAN/WAN) Analyzer and the Radar Test Set, Identification Friend or Foe (RTS,IFF). The LAN/WAN Analyzer will support the worldwide will be capable of testing MK X and MK XII compatible IFF equipment and will be used primarily in the maintenance of missile and aviation systems. It will alleviate operational and personnel safety problems associated with the aging and deficient IFF test sets currently in the field.

NOTE: This item was funded in OPA2 prior to FY 1998.

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Exhibit P-5, Weapon OPA Cost Analysis		OPA	Cost Elements		Hardware: TS-4463()P SG-1207A RTS,IFF LAN/WAN Analyzer Maintenance/Calibration Accessories Publications/Technical Data Government Engineering/Support Technical Assistance Services TOTAL

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REMARKS: This item was funded in OPA2 prior to FY 1998	EV 1998								1	

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FY 1997 unit price for the SG-1207A includes "first article" costs.

Item No. 175 Page 3 of 6 398

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifice	ition Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	at No:					P-1 flem Nomenclature:	re:					
100	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Support E	quipment					RECONFIGU	RECONFIGURABLE SIMULATORS (KA6000)	4S (KA6000)		
Program Elements for Code B Items:	:s			Code:	Other Related Program Elements:	m Elements:						
	654760	092					OMA - 121014	21014				
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	12.2	2.3	13.5	2.0	1.4	0.2	0.3	0.3	0.0	32.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	12.2	2.3	13.5	2.0	1.4	0.2	0.3	0.3	0.0	32.3
Initial Spares												
Total Proc Cost	0.0	0.0	12.2	2.3	13.5	2.0	1.4	0.2	0.3	0.3	0.0	32.3
Flyaway U/C												
Wpn Sys Proc U/C												

equipped Army simulation facilities which can link and operate interactively with each other and other geographically-separated simulation sites. The CDFs are available Synthetic Theater of War-Architecture (STOW-A) is a network of simulation training hub and remote sites which provides the capability of geographically-remote units to realistically train together, virtual testing of new equipment, analysis of alternative force structure designs, soldier training for operations in hazardous conditions without Simulator Facilities (CDF) and Battle Laboratories. These simulators are combat development simulation tools which will provide the ability to conduct experiments and demonstrations cost effectively by having multiple vehicles represented in the synthetic environment by use of a single simulator. The CDFs are centrally-managed and analyze user requirements and evaluate alternative technical approaches for satisfying those requirements. These upgrades will increase capabilities of simulator visual display systems, computer image generators, host computer processing power and network interface standards to provide a more realistic synthetic environment. The to customers who want to conduct experiments and demonstrations using the synthetic environment. The CDF upgrades will enhance the capability of the Army to DESCRIPTION: This program provides reconfigurable simulators to support combat development simulation activities in the Army's Core Distributed Interactive isk, and preparation of units for military operations through mission rehearsal to insure success on the battlefield.

JUSTIFICATION: The FY99 funding supports procurement of equipment for three STOW-A Hub Sites. This equipment is essential for the Army to achieve the objectives necessary tools to use simulation technology to train realistically and provide the Army with the ability to determine the warfighting impact of a variety of emerging of Force XXI, the Army Synthetic Theater of War (STOW), and Advanced Warfighting Experiments. These procurements will provide the STOW Sites, with the systems, technologies and capabilities for the Force Projection Army.

Item No. 176 Page 1 of 6

Exhibit P-40, Budget Item Justification Sheet

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	get Activity/: EMENT / 3,	Serial No: / Other Support	<u> </u>	P-1 Line Item RECONFIGU	P-1 Line Item Nomenclature: RECONFIGURABLE SIMULATORS (KA6000)	TORS (KA6000)		Weapon System Type:	урв:	Date: Febru	February 1998
Cost Alidiysis	_	3	Equipment										
AHO	Q		FY 96			FY 97			FY 98			FY 99	
nents	9	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	H	\$000	Each	\$000	\$000	Each	000\$	\$000	Each	000\$	\$000	Each	\$000
A. Simulator Upgrades-Ft Knox B. Simulator Upgrades-Ft Benning C. Simulator Upgrades-Ft Benning C. Simulator Upgrades-Ft Rucker D. Simulator Upgrades-Oper Spt Fac E. STOW Suite Equipment F. Ground Vehicle Variant H. Ground Vehicle Desktop Variant I. EEOSSA Variant J. Battle Cmd Tmg Sim Equip K. CSSTSS Operator Environment Government Engineering Support Contractor Integration	44444444	3643 3571 2605 892 1320	4 4 - 0 0	911 2605 446 440	400 520 818 211 263 84		400 520 818 211	6240 2500 3000 1000 400		520 2500 1000	352		404
TOTAL		12222			2296			13501		•	. 1967	7	

REMARKS:

Naval Air Warfare Center (NAWC), Mission Contracting Activity (MCA).
STOW Suite Equipment and Core DIS Facilitiy Upgrades are procured on Delivery Orders from the competitively-selected contractractor who operates the Army Core DIS Facilities.

Yes

200

15

May-98

Mar-98

NAWC, Orlando, FL

CFP

TBS

H. Ground Vehicle Desktop Variant

FY 98

FY 97

Item No. 176 Page 3 of 6

History and Planning Exhibit P-5A, Procurement

Exhibit P-5A, Procurement History and Planning

	Exhibit F	Exhibit P-5a, Budget Procurement History and Planning	listory ar	nd Planning					Date:	February 1998	866
Appropriation / Budget Activity/Serial No:	ctivity/Serial No:		Weapon System Type:	эт Туре:		P-1 Line Item Nomenclature:	Vomenclature:				
OIMEN PHOCU	OTHER PROCUREMENT / 3 / Other Support Equipment						RECONFIG	RECONFIGURABLE SIMULATORS (KA6000)	TORS (KA	9000)	
WBS Cost Elements:		Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	αту	Unit Cost	Specs Avail	Date Revsn	RFP Issue Date
Fiscal Years			and Type			Delivery	Each	\$000	Now?	Avail	
I. EEOSSA Variant	<u>.</u>	TBS	CFP	NAWC, Orlando, FL	Mav-98		-	1000	Yes		
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rrs/	tor Favironment	Supply, Greensboro, NC	<u> </u>	MCA FI Leavenworin, KS	Apr-97	Aug-97	-	818 8	Yes		
FY 97		Multiple	CFP	TCA-East, Ft Lee, VA	May-97	Jul-97	-	211	Yes		
REMARKS: Nav	Naval Air Warfare Center (NAWC), Mission Contracting Activity (MCA). STOW Suite Equipment and Core DIS Facilitiy Upgrades are procured	sion Contracting Activity (MCA). Facilitiy Upgrades are procured on De	elivery Orde	(MCA). ocured on Delivery Orders from the competitively-selected contractractor who operates the Army Core DIS Facilities.	ected contra	actractor w	ho.operate	es the Army Co	ore DIS	Facilities	, ,

EEOSSA - Early Entry Operations Sustainment Support Analysis

Item No. 176 Page 5 of 6

Σrπ

Exhibit P-21, Production Schedule

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		Exhibit P-4	0, Budget It	Exhibit P-40, Budget Item Justification Sheet	ation Sheet			Cate:		February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	re:					
10	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment					PHYSICAL SEC	PHYSICAL SECURITY SYSTEMS (OPA3) (MA0780)	PA3) (MA0780)		
Program Elements for Code B Items:	:5:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												3
Gross Cost			6.4	7.2	6.3	16.2	15.6	15.6	15.8	16.1		99.3
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			6.4	7.2	6.3	16.2	15.6	15.6	15.8	16.1		99.3
Initial Spares				W 40 4 1								
Total Proc Cost			6.4	7.2	6.3	16.2	15.6	15.6	15.8	16.1		99.3
Flyaway U/C												-
Wpn Sys Proc U/C												
O TO THE STATE OF		l		:] -						

Commercial Intrusion Detection System (ICIDS), the Joint-Services Interior Intrusion Detection System (J-SIIDS) and the Commercial Intrusion Detection Systems (CIDS) Goal is to provide security to units, families and facilities; and to reduce the number of deployable soldiers used for security missions during mobilization and deployment. DESCRIPTION: Physical Security Systems protect high dollar, critical assets that are vulnerable to determined, skilled intruders or saboteurs intending to deprive the United States of these resources prior to armed conflict or to embarrass the Government during peace time. Physical Security Systems include the integrated

ammunition, and explosive storage facilities; sensitive compartmented information facilities; and areas designated mission essential and vulnerable. Minimizes risks and vulnerabilities by providing commanders with the required levels of protection by using available electronic technology instead of employing soldiers or civilian guards to Protection Program supports unit readiness and deployments by reducing unit and installation vulnerability during levels of high threat (THREATCON). The Program is safeguard personnel and Army assets. Funding protects personnel, facilities and equipment from terrorists and criminal threats. The procurement portion of the Force designed to counter time-sensitive terrorist threats and to increase the protection of soldiers, family members, DA civilians, key facilities, and training and intelligence JUSTIFICATION: FY 99 funds procure electronic Physical Security Equipment (PSE), that supports regulatory required security measures for conventional arms,

Transferred from OPA-2 to OPA-3 starting in FY96.

Exhibit P-40,

System Cost Analysis
Weapon

Exhibit P-5, Weapon		Appropriation/ Budget Activity/Serial No:	get Activity/S	erial No:		P-1 Line Item	P-1 Line Item Nomenclature:		ř	Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	REMENT / 3 / Equipment	Other Support		PHYSICAL	PHYSICAL SECURITY SYSTEMS (OPA3) (MA07R0)	(TEMS (OPA3)					February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ğ	UnitCost	TotalCost	à₫	UnitCost
	Ħ	\$000	Each	000\$	000\$	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
J-SIIDS CIDS	∢ ∢	350 1375		VAR	350 1396		VAR	350 1398		VAR	350 10813		VAR
SUBTOTAL		1725			1746			1748			11163		
ICIDS AMG	∢ ∢	4400	N	2200	5372	N	2686	4474	က	1491	4901 100	2	2451
SUBTOTAL		4670			5472			4574			5001		
Unit cost reflect only an average cost. The unit cost is site dependent. Components are assembled according to individual site security requirements.							,						
TOTAL		6395			7218			6322		•	16164		

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifica	ation Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	ial No:					P-1 Item Nomenclature:	Te:					
ТО	OTHER PROCUREMENT / 3 / Other Support Equipment	T/3/Other Support!	Equipment					JSID	JSIDS/CIDS (OPA3) (MA0781)	781)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost			1.7	1.7	1.7	11.2	10.1	10.1	10.2	10.4		57.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)			1.7	1.7	1.7	11.2	10.1	10.1	10.2	10.4		57.2
Initial Spares												
Total Proc Cost			1.7	1.7	1.7	11.2	10.1	10.1	10.2	10.4		57.2
Flyaway U/C												
Wpn Sys Proc U/C												

prioritized distribution plan. Goal is to provide security to units, families, and facilities; and to reduce the number of deployable soldiers used for security missions during DESCRIPTION: The J-SIIDS is an Army type classified standard interior intrusion detection system used to secure arms rooms, nuclear/chemical and conventional ammunition magazines, drug storage, automatic data processing centers, communications and financial facilities. Funding provides for initial issue based on a DA mobilization and deployment.

project orders, and work requests. Goal is to provide security to units, families, and facilities; and to reduce the number of deployable soldiers used for physical security intrusion detection systems hardware to meet nonstandard requirements. Funds are sent to individual posts, camps, and stations worldwide for competitive contracts, When centrally managed ICIDS or J-SIIDS cannot be used, MACOMs use locally purchased CIDS to secure vital resources. CIDS funds purchase of commercial missions during mobilization and deployment.

electronic technology instead of employing soldiers or civilians guards to safeguard personnel and Army assets. Funding protects personnel facilities and equipment from JUSTIFICATION: The FY 99 program funds procurement of electronic Physical Security Equipment (PSE). These funds address the specific modernization of integrated PSE for intrusion detection and assessment, access control, and electronic surveillance at Army Materiel Command chemical and ammunition storage depots. Counter security measures for: nuclear reactors, conventional arms, ammunition, and explosive storage facilities; Sensitive Compartmented Information Facilities; and areas terrorism funding will meet US Army Europe and Forces Command requirements for Force Protection in support of troop deployment. Provides regulatory required designated mission essential and vulnerable. Minimizes risks and vulnerabilities by providing commanders with the required levels of protection by using available terrorist or criminal threats. The procurement portion of the Force Protection Program supports unit readiness and deployments by reducing unit and installation vulnerability during levels of high threat (THREATCON).

Exhibit P-5, Weapon OPA Cost Analysis	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3/ Other Support Equipment	dget Activity/S REMENT / 3 / Equipment	Serial No: / Other Support		P.1 Line Ite. JSII	P-1 Line Item Nomenclature: JSIDS/CIDS (OPA3) (MA0781)	MA0781)		Weapon System Type:		Date: Febru	February 1998
	₽		FY 96			FV 97			86 24			SO ALL	
Cost Elements		TotalCost	à	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	Ž O	UnitCost	TotalCost	a i	InitCost
	Ш	\$000	Each	\$000	\$000	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
J-SIIDS Hardware Engineering Support	∢	250	250	-	250	250	-	250		-			-
SUBTOTAL		350			350			350			350		
CIDS		1375			1396			1398			10813		
SUBTOTAL		1375			1396			1398			10813		
Unit costs reflect only an average cost. The unit cost is site dependent. Components are assembled according to individual site security requirements.													
TOTAL		1725			1746			1748			11163		
	\dashv												

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifice	ition Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	ë:					
00	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment					ō	ICIDS (OPA3) (MA0782)	62		
Program Elements for Code B Items.	.S:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												C.
Gross Cost			4.7	5.5	4.6	5.0	5.5	5.5	5.6	5.7		42.0
Less PY Adv Proc					8							
Plus CY Adv Proc												
Net Proc (P-1)			4.7	5.5	4.6	5.0	5.5	5.5	5.6	5.7		42.0
Initial Spares												
Total Proc Cost			4.7	5.5	4.6	5.0	5.5	5.5	5.6	5.7		42.0
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION: The Integrated Commercial Intrusion Detection System (ICIDS) program consists of commercially available interior and exterior sensor, response, entry Monitor Group (AMG), a personal computer based upgrade to the J-SIIDS, provides a cost effective system meeting basic security communications, control and display conventional arms, ammunition and explosive areas; non-nuclear missiles and rockets in a ready to fire configuration, and critical mission essential assets. The Alarm capabilities for small site applications where ICIDS would be inappropriate. These components are assembled as "systems" to meet the site specific requirements of control, electronic surveillance, and command and control devices protecting chemical/nuclear and special compartmented information facilities, sensitive munitions; installations on the DA Distribution Plan. Goal is to provide security to units, families and facilities; and to reduce the number of deployable soldiers used for security missions during mobilization and deployment. JUSTIFICATION: The FY 99 program funds procurement of electronic Physical Security Equipment at Pueblo Depot Activity and Fort Lewis, as currently scheduled in the safeguard personnel and Army assets. The AMG provides a low cost alternative to the ICIDS allowing upgrades to existing J-SIIDS and offering a computerized operating equipment or replacing obsolete equipment with state-of-the-art electronic equipment. Funding provides regulatory security measures for conventional arms, ammunition, vulnerabilities by providing commanders with the required levels of protection by using available electronic technology instead of employing soldiers or civilian guards to and explosive storage facilities; Sensitive Compartment Information Facilities; and areas designated mission essential and vulnerable. Equipment minimizes risks and DA ICIDS Distribution Plan. These funds will modernize the intrusion detection and assessment, access control, and surveillance systems by augmenting current system significantly increasing mission efficiency.

Exhibit P-5, Weapon	<u> </u>	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	Iget Activity/? *EMENT / 3 /	Serial No: Other Support		P-1 Line Iten	P-1 Line Item Nomenclature:	0.282)		Weapon System Type:		Date:	4000
COSt Alialysis			Equipment				m) (cu 10) 0010	0.00					uary 1990
	Ω		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CO	TotalCost	Qty	UnitCost	TotalCost	Oty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	ģ	UnitCost
	1	\$000	Each	\$000	\$000	Each	000\$	\$000	Each	\$000	000\$	Each	\$000
ICIDS Hardware Engineering	∢	3718 682	N	1859	4394 978	N	2197	3579 895	ю	1193	3921 980	7	1961
SUBTOTAL		4400			5372		1	4474			4901		
AMG Engineering	∢	270			100			100			100		
SUBTOTAL		270	,		100			100			100		
Unit cost reflect only an average cost. The unit cost is site dependent. Components are assembled according to individual site security requirements.			, , , , , , , , , , , , , , , , , , ,										
-CIAL		4670			5472			4574			5001		

	Exhibit	Exhibit P-5a, Budget Procurement	History a	rement History and Planning					Date:	February 1998	
Appropriation / Buo	Appropriation / Budget Activity/Serial No:		Weapon System Type:	η Type:		P-1 Line Item Nomenclature:	omenclature:				
OTHER PF	OTHER PROCUREMENT / 3 / Other Support Equipment						ט	ICIDS (OPA3) (MA0782)	782)		
WBS Cost Elements:	S	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ντα	Unit Cost	Specs		RFP Issue Date
Lordword (ICIDE)	ibe		and Type			Delivery	Each	\$000	Now?	Avail	
FY 98	(20)	Lockheed Martin	C/FP/OPTION CECOM	CECOM	May-98	Jun-98	ю	1193	Yes	<u> </u>	
FY 99		Lockheed Martin	C/FP/OPTION CECOM	CECOM	May-99	96-unf	Q	1961		2	
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REMARKS:	Unit cost reflects an average cost. The unit cost is site dependent.		ents are ass	Components are assembled according to individual site security requirements.	al site secur	ity requirem	ents.				
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Item No. 177 Page 7 of 8 414

Exhibit P-5A, Procurement History and Planning

	į						<u> </u>	P-1 Item Nomenclature:	nenclat	nre:									۲	Date:	l					ĺ
FY 98 / 99 BUDGET PRODUCTION SCHEDULE	5 5	ON SC	HEDS								ICIDS	ICIDS (OPA3) (MA0782)	(MAO	,82)									Febru	February 1998	8	
				PROC	ACCEP.	BAL				Fisc	al Ye	Fiscal Year 98				Н				Fiscal Year 99	ıl Yea	ır 99				
	Σ		s	ΔŢ	PRIOR	DUE		ŀ				Cal	enda	Calendar Year 98	1 1			П			Calendar Year	dar	Year	66		<u> </u>
COST ELEMENTS	ш с с	FY	m cc >	Each	100 t	AS OF 1 OCT	၀ပ⊢	Z O >	¬∢Ζ	шmю	2 < E	< 0 €	7 D Z	ר כ י	v ⊃ ن	S E C	z 0 >	о ш o	¬ ∢ Z	T 11 8	2 4 E	∑ < ≻	7 D Z	70-	۷ n 9	S H G
Hardware (ICIDS)	Н		П	П							H	H			H	\vdash				 -	₩.	-			╄	Ļ
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	-	FY 99	Α	2	0	2									Н						L	<	2		-	
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Lockheed Martin	t						_		REORDER	t	╁				,	+) (٥	i ii	sociate	ed equi	pment.	Delive	associated equipment. Delivery orders
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	H						╛	E	REORDER		H					Н		П				assembly each site	yand⊮	stallatik	on) are	assembly and installation) are placed for each site
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								Date:				
	ŭ	hibit P-40	Exhibit P-40, Budget Item Justification Sheet	em Justifi	cation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	/3/Other Suppo	rt Equipment					SYSTEM FIELD	SYSTEM FIELDING SUPPORT (OPA-3) (MA0070)	PA-3) (MA0070)		
Program Elements for Code B Items:	3 tlems:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	67.7	13.5	9.6	7.9	4.8	7.1	7.5	7.0	6.9	7.1	0.0	138.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	67.7	13.5	9.6	7.9	4.8	7.1	7.5	7.0	5.9	7.1	0.0	138.1
Initial Spares												
Total Proc Cost	67.7	13.5	9.6	7.9	4.8	7.1	7.5	7.0	5.9	7.1	0.0	138.1
Fiyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION: Cratem fielding are	Custom field	dag to bail	and funds arouids for First Desiration Tennandation (FDT) Total Bookens Fielding (TDE) and Now	vide for Ei	touitoo C to	ion Tropos	TL acitor	TOTAL	بتا مسمراممر	JULY /TDE	Thomas Niew	

funds provide the movement of Army equipment, modification kits, assemblies, and components from the manufacturing point to a CONUS depot Support List Allowance (SLAC) items through a physical handoff to the user. The TPF costs include SLAC items, deprocessing, Temporary Duty or other points of first acceptance within the CONUS supply system. (NOTE: Excludes transportation costs paid by a vendor as prescribed in a materiel developer plans, develops, acquires, and deploys the materiel systems, including Associated Support Items of Equipment (ASIOE) and procurement contract.) TPF is the standard method of fielding new equipment developed under the Army's force modernization program. The Equipment Training (NET) for all systems and equipment funded within Other Procurement Army, Activity 3, Other Support Equipment. FDI DESCRIPTION: System fielding support funds provide for First Destination Transportation (FDT), Total Package Fielding (TPF), and New (TDY), salaries, and Army Working Capital Fund (AWCF) managed equipment.

and training, (2) continued and orderly fielding of force modernization systems, and (3) transfer of knowledge from the materiel developer to the JUSTIFICATION: FY99 funds will ensure (1) continued uninterrupted shipment of newly procured items to Army users in support of readiness trainer, user, and other support personnel.

								Date:				
		Exhibit P-4	Exhibit P-40, Budget Item	em Justifica	Justification Sheet	-				February 1998		
Appropriation / Budget Activity/Serial No:	at No:					P-1 Item Nomenclature:	ıre:					
ТO	OTHER PROCUREMENT / 3 / Other Support Equipment	1/3/Other Support	Equipment		-			BASE LEVE	BASE LEVEL COM'L EQUIPMENT (MB7000)	T (MB7000)		
Program Elements for Code B Items:	:8:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Oty												Ĉ.
Gross Cost	406.1	10.7	3.1	6.0	4.2	9.7	9.9	6.5	6.4	6.8	0.0	466.1
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	406.1	10.7	3.1	6.0	4.2	9.7	9.9	6.5	6.4	6.8	0.0	466.1
Initial Spares												
Total Proc Cost	406.1	10.7	3.1	6.0	4.2	2.6	9.9	6.5	6.4	6.8	0.0	466.1
Flyaway U/C												
Wpn Sys Proc U/C												

can be used in a stand-alone mode and not lose its identity on application and have a unit cost of \$100,000 or more. Examples of these items are: commercial laundry Allowance (TDA) activities of the Active Army and Reserve Components and those Joint Table of Allowances (JTA) activities for which the Army is the executive agent, DESCRIPTION: The Base Level Commercial Equipment (BCE) program funds equipment to support installation operating missions with contracts for the required equipment being awarded by the installation. BCE items are generally commercial, off-the-shelf, non-centrally managed, authorized by Table of Distribution and and dry cleaning equipment, grounds maintenance equipment and dishwashers. JUSTIFICATION: FY 99 program funds non-standard items with a cost of \$100,000 or more which are not available through the Army Supply System. Specifically, the replacement of eight super stackers are included in these funds. Twelve Major Commands/General Operating Agencies are provided funds from this budget line.

		Exhibit P-4	Exhibit P-40 Budget Item . Institication Sheet	na distifica	ation Sheet			Date:				
			c, saage		arion circo.					rebruary 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	:e:					
ίο	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Support	quipment					ELECTRON	ELECTRONIC REPAIR SHELTER (MB2201)	R (MB2201)		
Program Elements for Code B Items:	S:			Code:	Other Related Program Elements:	am Elements:						
				∢								
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty					3	2	2	2	1			10
Gross Cost	0.0	0.0	0.0	0.0	5.5	3.7	3.7	2.9	1.6	0.0		17.4
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.0	0.0	5.5	3.7	3.7	2.9	1.6	0.0		17.4
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	0.0	5.5	3.7	3.7	5.9	1.6	0.0		17.4
Flyaway U/C												•
Wpn Sys Proc U/C												
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replaceable units (SRU) after fault isolation on an Integrated Family of Test Equipment Base Shop Test Facility or other test equipment. This system also provides a capability for testing and fault isolation of printed circuit boards. The ERS consists of a circuit card tester and two electronic repair workstations, all packaged in an DESCRIPTION: The Electronic Repair Shelter (ERS) provides a capability for field level repair of circuit card assemblies in line replaceable units (LRU) and shop environmentally-controlled shelter. It will be fielded to general support maintenance units at corps level and above.

Audit Agency that Army field units have not been equipped with a cost-effective means for repair of circuit cards, and it satisfies a Chief of Staff of the Army initiative to States, Europe, and Korea. The ERS provides for field level testing and repair of LRUs, SRUs, and circuit card assemblies. It corrects a finding reported by the Army JUSTIFICATION: The FY 1999 funds will be used to procure ERSs to complete fill of the initial requirements for Army general support units in the continental United lower operating costs through circuit card screening and repair in the field. The ERS will reduce operating and support costs for Army units by avoiding the need for evacuation of faulty components to depots or contractors' plants for repair **Budget Item Justification Sheet**

Exhibit P-40,

DPA DPA	Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Su	dget Activity/ REMENT / 3	Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support		P-1 Line Iter ELECTROI	P-1 Line Item Nomenclature: ELECTRONIC REPAIR SHE	2-1 Line Item Nomenclature: ELECTRONIC REPAIR SHELTER (MB2201)		Weapon System Type:		Date: Febri	February 1998
Cost Elements to Total Cost Total		1		Equipment						- 1				
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Appropriation / Budget Activity/Serial No:		Weapon System Type:	ım Type:		P-1 Line Item	P-1 Line Item Nomenclature:				
OTHER PROCUREMENT / 3 / Other Support Equipment						ELECTRON	ELECTRONIC REPAIR SHELTER (MB2201)	TER (MB22	01)	
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date Date of First	Date of First	αту	Unit Cost	Specs Avail	Date RF Revsn	RFP Issue Date
Fiscal Years		and Type			Delivery	Each	\$000			
Electronic Repair Shelter FY 98 FY 99	AMCOM, Redstone Arsenal, AL AMCOM, Redstone Arsenal, AL	SS/FP SS/FP	AMCOM AMCOM	Dec-97 Dec-98	May-98 Sep-99	e 0	472	> >	A A	A/A
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The Electronic Repair Shelter will be an integration of components from various vendors. The integration will be managed by the U.S. Army Aviation and Missile Command Weapon Systems Directorate. REMARKS:

Item No. 181 Page 3 of 5

Exhibit P-5A, Procurement History and Planning

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Item No. 181 Page 5 of 5 422

Exhibit P-21, Production Schedule

Exhibit P-40,	et Item Justification Sheet
	Budget

96		Justification Sheet				February 1998		
OTHER PROCUREMENT / 3 / Other Support Equipment Code B Items: Prior Years		P-1 Item Nomenclature:	ure:					
1 Code B Hems: Prior Years	ant		-	MODIFICATION OF	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)	(OPA-3) (MA4500)		
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modification. Items supported by this line include Logistics-Over-The-Shore (LOTS) watercraft, Combat Service and Engineering Support Equipment, and modifications to DESCRIPTION: This budget line funds OPA-3 modifications of in-service equipment programs. It is used to procure hardware, materials, and installation to complete the supportability, upgrade existing technology, increase efficiency, improve readiness and to meet new legal and regulatory requirements. By modifying existing equipment, the M-9 Armored Combat Earthmover (ACE). Modifications are performed to correct safety deficiencies, increase mission capabilities, extend the useful life, improve the Army maintains a ready, supportable inventory of equipment that meets current requirements and regulations at a cost considerably below that of buying new

Upgrades will extend the service life of the Army's watercraft and preclude replacing them with new vessels at considerably greater cost. The system improvements to the Resupply cargo, the 100 Ft Tug, Remote Ordnance Neutralization System, Smoke Mechanized Motorized System and the M-9 ACE System Improvement Plan. These JUSTIFICATION: The FY 1999 Modification of In-Service Equipment budget request supports modernization of 8 Ton Mechanized Landing Craft; Lighter, Amphibious M-9 ACE will improve operability and increase readiness.

Marine CEN Upgrade

4-TACOM

8-TACOM

9-TACOM

Upgrade 100' Tug

2-TACOM

3-TACOM

ogram Elements for Code B Items

Description

OSIP NO.

-TACOM

Item No. 182 Page 2 of 23

Landing Craft Utility

1-96-08-3109

1-98-06-45-40

10-CBDCOM

5-CBDCOM

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7-SSCOM



Budget Item Justification Sheet

Exhibit P-40M,

	Exhibit P-	Exhibit P-40M Budget Item Justification Sheet	m Justifica	ation Sheet			Date		February 1998		
Appropriation / Budget Activity/Serial No.	rial No.				P-1 Item Nomenciature	9.					
0	OTHER PROCUREMENT / 3 / Other Support Equipment	ort Equipment				<u>-</u>	MODIFICATION OF	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) (MA4500)	r (OPA-3) (MA4500)		
Program Elements for Code B Items	ıms		Code	Other Related Program Elements	ım Elements						
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1-90-08-3130	EQUIP UPGRADE	0.0	0.0	0.0	2.9	5.8	6.0	0.0	0.0	0.0	14.7
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SYSTEMS AFFECTED: LCM-8 NY JUSTIFICATION: In upgrade will correct safety and operational shortcornings identified by the user community and combat developer. The special part of the craft, an improved navigational compass, and an enhanced bilge by the user community and combat developer. The special part of the craft, an improved navigational compass, and an enhanced bilge by the user community and combat developer. The special part of the craft, an improved navigational compass, and an enhanced bilge by the user community and combat developer. The special part of the craft, an improved navigational compass, and an enhanced bilge by the user community and combat developer. The special part of the craft, an improved navigational compass, and an enhanced bilge by the user community and combat developer. The special part of the craft, an improved navigational compass, and an enhanced bilge by the user community and combat developer. The special part of the craft, an improved navigation of the craft, an improved navigation of the craft, an improved navigation of the craft, and improved navigation of the craft, an improved navigation of the craft, an improved navigation of the craft, an improved navigation of the craft, and improved navigation of the craft, and improved navigation of the craft, and improved navigation of the craft, and improved navigation of the craft, and improved navigation of the craft, and improved navigation of the craft in the craft of the craft in the craft of the cra		ė	Z	INDIVIDUAL MODIFICATION	DIFICATI	NO			Date		February 1998	
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"Mod 1" upgrade will correct safety and operational shortcomings identified by the user community and compat developer. The upgrade includes command and control capability, increased cab space, covered shelter for 50 personnel, improved fire attents. The first of t	DESCRIPTION / JUST	TIFICATION:										
The standard of the company of the operational short comings identified during Joint Logistics Overad shelter for 50 personnel, improved fire ing safety capability, and ability to transport stevedors to and from ships. PLANE	The "Mod 1" up	grade will correct safety	and operati	onal shortco	mings ic	dentified by the	ne user con	nmunity an	d combat de	eveloper.	The upg	rade
State Compared and control capability, increased cab space, covered shelter for 50 personnel, improved fire ing safety capability to transport stevedors to and from ships. PLANIED FY96-99 PY96-00 FY96-99 PY96-00 PY97 PY99-05 P	The "Mod 2" upg	grade will correct the open	rational sho	ort comings i	dentified	d during Joint	Logistics (Over-The-S	hore (JLOT	S)	Jaliast sy	
Problem Prob	operations. The fighting safety ca	upgrade includes comr apability, and ability to tr	iand and co ansport stev	ntrol capabi edors to and	ity, incre I from s	eased cab sp hips.	ace, cover	ed shelter f	or 50 perso	nnel, imp	roved fire	
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Item No. 182 Page 4 of 23 426

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Item No. 182 Page 6 of 23



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:ICATI(60 2-		\$666	1.5	0.3	6.	1.6	3.4
MODIF	Sargo		FY 1999 Ofv \$	2	4,000	ю	ဗ	
INDIVIDUAL MODIFICATION	Resupply Cargo 60 2-TACOM		8 49	2.8	0.2	2.0	5.0	5.0
NDIV	Resu		FY 1998 Otv \$	8		4	4	\dashv
	bious			2.8		2.0	0.7	3.5
	Amph		FY 1997	<u>'</u>		8	2	
	Lighter Amphibiou	سمو	E &	İ			•	
	Ľ.	966	rior	1.4				1.4
		FY 1996	and Prior	2				
	 	(Suo		<u>l</u>	g s	Çis		
	MODIFICATION TITLE (Cont):	FINANCIAL PLAN: (\$ in Millions)			Installation Kits, Nonrecurring Equipment Equipment, Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment	Interim Contractor Support Installation of Hardware FY 1996 & Prior Eqpt Kits FY 1997 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt Kits FY 2000 Eqpt Kits FY 2001 Eqpt Kits FY 2002 Eqpt Kits FY 2003 Eqpt Kits FY 2003 Eqpt Kits		t Cost
	ITIT NO	LAN: (\$		its its	its, Nor Nonrect Change ipment	ractor s Hardww Aptric E Aptric E Aptric E Aptric E Aptric E Aptric E Aptric E Aptric E Aptric E Aptric E	Iment	iremen
	ICATIC	CIAL P		RDT&E PROCUREMENT Kit Quantity Installation Kits	Installation Kits, Nonrecur Equipment Equipment, Nonrecurring Engineering Change Orde Data Training Equipment Support Equipment	Installation of Hardware FY 1996 & Prior Eqpt FY 1997 Eqpt Kits FY 1999 Eqpt Kits FY 1999 Eqpt Kits FY 2000 Eqpt Kits FY 2001 Eqpt Kits FY 2003 Eqpt Kits FY 2003 Eqpt Kits FY 2003 Eqpt Kits	Total Installment	Total Procurement Cost
	MODIF	FINAN		RDT&E PROCU Kit Qua	Installation Equipment Equipment Engineerin Data Training Ec Support Eq	Interii Instalik FYY FYY FYY FYY FYY FYY FYY FYY FYY FY	Tota	Tota

Item No. 182 Page 8 of 23 430

Properties Pro				NONI	IDUAL I	INDIVIDUAL MODIFICATION	NC			Date		Febru	February 1998	
FY 1996	MODIFICATION TITLE (Cont):	Ď	pgrade 100' Ti		₩ O									
Prince P	FINANCIAL PLAN: (\$ in Millions)	j	1											
Oly S Oly Oly Oly Oly Oly	FY 1996	EV 1007	EV 100		1000 A	72	77	2000	1000	-	C F			
Nonecuring Nonecuring necuring necuring necuring necuring necuring necuring necuring necuring necuring necuring necuring nethodors nethodors nethodors nethodors nethodors 2 4.6 nethodors ne		Oty &	2	<u> </u>	\dagger		3	3 _	Otv \$	3 _	+	<u>چ</u> 0 <u>د</u>	Oly Oly	¥ 4
rders routing refers routing rout routing rout	RDT&E PROCUREMENT				i						-	 		<u>'</u>
rders routing rout routing rout routing rout routing r	Installation Kits				1						•		~~~	4.7
ng rders hort stits 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Installation Kits, Nonrecurring													
rders F Kits F Ki	Equipment, Nonrecurring											-		
Port I - Kits	Engineering Change Orders													
Port I Kits	Data							-						
First Port 1 Kits 2 2 2 2 2 2 2 2	Training Equipment													
port I Kits	Support Equipment												-	
i Kits														
1 Kits 3.3 2 2	Interim Contractor Support													
I Kits	- All Salamon				······································						<u> </u>			
t Kits														
1 Kits														
rior Eqpt Kits t Kits	Installation of Hardware													
of - Kits t - Kits t - Kits t - Kits t - Kits t - Kits t - Kits t - Kits ment Cost 3.3	FY 1996 & Prior Eqpt Kits													
ot - Kits ot - K	FY 1997 Eqpt Kits			7	4.6								2	4.6
ot Kits ot Kits ot Kits ot Kits ot Kits ot Kits ot Kits on Kits	FY 1998 Eqpt Kits													<u> </u>
of Kits of Kits	FY 1999 Eqpt Kits													
ot kits ot kits ot kits ot kits ment Cost	FY 2000 Eqpt kits													
ot kits ot kits ent ent ment Cost	FY 2001 Eqpt kits													
of kits ent ment Cost 3.3	FY 2002 Eqpt kits													
ent 2 2 ment Cost	FY 2003 Eqpt kits													
33 2	IC Equip-Kits				+						+	_		
	Total Installment				4.6						1		2	
	lotal Procurement Cost		3.3		6.0							-		9.3

						4	DIVID	INDIVIDUAL MODIFICATION	DIFIC	ATION							ľ	Date		February 1998	1998	Г
MODIFICATION TITLE:	Marine CEN Upgrade 4-TACOM	e CE	N Up	grade	4-T	COM																
MODELS OF SYSTEMS AFFECTED: Landing Craft Utility	IS AFFECT	red: L	-andin	Craft	Utility (rcn)	000, L	ogistics	Suppo	(LCU) 2000, Logistics Support Vessel (LSV), 128' Tug, High Speed Patrol Boat	I (LSV	, 128'	Tug, H	igh Sp	ed Pa	rol Boa	_					
DESCRIPTION / JUSTIFICATION:	IFICATION	خ																			į	
Thes upgrades will allow these vessels to continue to meet federal maritime and safety standards. They will upgrade communications, electronics and navigational (CEN) equipment maintaining capability with other services. The project has two phases. The primary phase	vill allow that	these	e ves	sels to equip	cont ment	inue t	o mee aining	t fede capa	raf m bility	aritime with ot	and a	safety	stands. Th	dards e pro	The ect ha	y will	upgrae phas	de con es. Th	inue to meet federal maritime and safety standards. They will upgrade communications, maintaining capability with other services. The project has two phases. The primary ph	ations arv ph	e se	
covers all vessels and is due for completion in most importanty bring craft into compliance with	s and is c bring craf	due f		npleti	ion in	FY00	. The	secol	nd ph (Coas	ase wi	ll auto	mate	seve	ral ke	/ func	tions,	upgra	ide cap	FY00. The second phase will automate several key functions, upgrade capabilities, and b recent Maritime/Coast Guard CEN standards for sea-noing vessels. This upgrade will	ss, and	FY00. The second phase will automate several key functions, upgrade capabilities, and the recent Maritime/Coast Guard CEN standards for sea-noing vessels. This ungrade will address	Q
sea-going vessel improvements only.	improve	men	ts onl	- ×						5)		3	5	a T	• 20		<u> </u>	5 5 5 5			2
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																,						
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MIL	rus / MAJC	OR DE	VELO	PMEN	T MILE	ESTONES:	ES:															
1st Kit Proclirement	ţ						PLANNED	NED 2				∢I	CCOM 30/81	MPLIS	ACCOMPLISHED 30/97				İ			
	=						3						3									
1st Kit Application	_						10/98	86					10/98	80								
Installation Schedule:									ř													
	Pr Yr		FY 1997	997			É	FY 1998			ш.	FY 1999				FY 2000	00			FY 2001	01	
•	Totals	=	2	3	4			2	<u>е</u>	4	=	7	၈	4	-	2	8	4	=	2	6	4
Inputs							ည	n n	LO H	LO L	ו טו	ro n	ro n	C L	יטי	in i	4 n				_	- -
		1					_	5	5	5	5	5	0	6	0	5	n	F				
		FY 2002	202				FY 2003		Ц		FY 2004		H		FY 2005	05			T0		Tot	Totals
	-	7	6	4			7	8	4	-	2	3	4	-	2	9	4	ទី	Complete			
Inputs	-	C)		_			7	_	_	-	2	_	_	-	~							74
Outputs	-	-	7	7				2	=	-	_	7	=	-	=	7			_			74
METHOD OF IMPLEMENTATION:	ENTATION		Contract	.		ADMI	NISTR	ADMINISTRATIVE LEADTIME:	-EADT	ME	e ;		Months	ā⊑ i	חמסצ	NOIT	PRODUCTION LEADTIME:	Ξ	≥	Months		
Contract Dates: Delivery Date:		. ц	FY 1997 FY 1997		MAY 97 JAN 98	> ຄ		FY 1998 FY 1998	866 866	PEB 98 OCT 98	86 86			ĹĹ	FY 1999 FY 1999		FEB 99 OCT 99					
		١		İ							3		l	1				l				7

Γ					19.8	. 0.1	0.6			·		Ξ ;	- 5	6. 6	. 6	8.		8.6	28.7
			TOTAL	₩								 °	2	2) 10	ī.			
February 1998				ð	74							51						74	
Februa			1 1	es l												1.8		1.8	1.8
			101	à												2		2	
te			03	8	6.4										1.8		1	1.8	6.7
Date			FY 2003	à	Ŋ					180.00								2	_
			H	es)	8.									0	?			1.9	6.7
			FY 2002	è	Ŋ									Ľ)			5	
			H	\$	6.9									1.9			1	6.1	6.8
			FY 2001	è	C)									Ŋ				2	
			Н	9	6.9	1.0	, ,											1	5.2
			200) O	ro.												-	-	-
ATION			H	+								-	- 5				+	-	0.1
INDIVIDUAL MODIFICATION			V 199	£			*****					~	-				-	9	-
JALM	MOC		\prod	ð	-							0.2					_	0.2	e
JOINION	ade 4-TACOM		FY 1998	₩	0.1														0
=	grade		FY	ĝ	<u>ო</u>							2						위	
	EN Up		FY 1997	9	0.2							0.0						0.9	-
	Marine CEN Upgr		FΥ	ģ	51							41					;	41	
	Ma	966	Prior	9															
		FY 1996	and Prior	Š															
	MODIFICATION TITLE (Cont):	FINANCIAL PLAN: (\$ in Millions)	1.		RD I & E PROCUREMENT Kit Quantity Installation Kits	Equipment Equipment Equipment, Nonrecurring Engineering Change Orders	Training Equipment	Other	Interim Contractor Support		Installation of Hardware FY 1996 & Prior Eqpt Kits	FY 1997 Eqpt Kits	FY 1999 Eqpt Kits	FY 2000 Eqpt kits EV 2001 Equt kits	FY 2002 Eqpt kits	FY 2003 Eqpt kits	TC Equip-Kits	Total Installment	Total Procurement Cost

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I	DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:
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Installation Schedule:																						
	Pr Yr		FY 1997	76			<u>اث</u>	FY 1998		_		7	FY 1999				FY 2000	0			FY 2001	01
	Totals	1	2	3	4			2	9	4	F	2	3		4	Ļ	2	3	4	-	2	က
Inputs	596	108		44				_	_	-				ļ				_				
Outputs	188	108	108		44																	
		FY 2002	200			F	FY 2003				FY 2004	9			[[]	FY 2005				То		Totals
	-	2	3	4	1	.,	2	3	4	-	2	3	4		_	2	3	4	Com	Complete		
Inputs																		_				448
Outputs																						448
METHOD OF IMPLEMENTATION: Contractor	ENTATIC	N: C	Contracto	_		ADMII	VISTR,	4TIVE	ADMINISTRATIVE LEADTIME:	TIME:		9	Months	S	PRO	PRODUCTION LEADTIME:	ONLE	ADTI	Æ:	9	Months	
Contract Dates:		_	FY 1997		MAR 96	9		¥	FY 1998						F7	FY 1999						
Delivery Date:		ıL	FY 1997		SEP 96	.		Ŧ	FY 1998						FY 1999	666						

Item No. 182 Page 12 of 23 434

					≥	DIVIDU	AL MOL	INDIVIDUAL MODIFICATION	z						_	Date		Februa	February 1998	
MODIFICATION TITLE (Cont):		Ş-₩	ACE	M-9 ACE Micro-Cl	Clima	tic Coo	ling S	imatic Cooling System 8-TACOM	-TACC	∑									:	
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1996	Ľ			li															
	Otv \$	5 4	7 199 VIO	\66 €	Ž Č	FY 1998	Ž	FY 1999	Ž	FY 2000	FY 2001	500	Ž	FY 2002	FY 2003	\$003	일 2	0	TOTAL	A.
RDT&E													;	,	65	•)	•	ĝ	•
Kit Quantity																				
Installation Kits	458	1.7				_													458	1.7
Installation Kits, Nonrecurring	118	7.4																	118	7.4
Equipment						_														
Equipment, Nonrecurring																			., -	
Engineering Change Orders		L																		
Dala			<u>.</u>			_											******			0.5
I raining Equipment																				
Support Equipment						_											-			
Other																				
Interim Contractor Support																				
						_														
						_														
Installation of Hardware													-							
FY 1996 & Prior Eqpt Kits	404	1.2	44	0.5															448	1.4
FY 1997 Eqpt Kits																				
FY 1998 Eqpt Kits		~~~																		
FY 1999 Eqpt Kits																				
FY 2000 Eqpt kits																				
FY 2001 Eqpt kits												****								
FY 2002 Eqpt kits																•				
FY 2003 Eqpt kits																				
TC Equip-Kits																				
Total Installment	404	1.2	44	0.2															448	1.4
Total Procurement Cost		10.8		0.5													-			11.0

							DIVID	INDIVIDUAL MODIFICATION	DDIFIC	ATION							Date		Febr	February 1998	
MODIFICATION TITLE:	6-₩	ACE,	Syste	am Im	prove	ment	Plan	M-9 ACE, System Improvement Plan 9-TACOM	ΝÖ												
MODELS OF SYSTEMS AFFECTED: M9 Armored Comb	IS AFFEC	TED:	M9 Arr	nored (Somba	t Earth	mover	at Earthmover (M9 ACE)	(III)												
DESCRIPTION / JUSTIFICATION:	IFICATIO	į Ž									Ī										
This modification program consists of four "packages" of improvements to the M9 Armored Combat Earthmover (ACE). These modifications improve vehicle reliability, durability, readiness and maintenance. The packages consist of:	progra	m col	nsists ability	of fou	ir "pa liness	ckage	ss" of	impro/	/emer	ts to	the MS	Armo	ored C	omba	t Earth	move	(ACE)	. Thes	e mod	ificatio	SU
A. actuator mounting rings, hull access plates B. semi-automatic track tensioner, hubs/sprockets, winch C. hydraulic filtration hardware, final drive oil level sensor D. steel dozer blade, automatic blade folder. A total of 448 vehicles are being	nting rin	ngs, h rdwai	ull ac	cess	plate:	S.B. S.	semi-s	automa r D. st	atic tra	sck ter	nsione	r, hub	s/sprc atic hi	ckets,	winch	1 total	of 448	vehick	970	o di o di	
modified. This equates to 448 of each packa	quates t	to 44	8 of e	ach pa	sckag	e liste	ed abo	ove plu	us ten	additi	onal o	f each	pack	age bo	ought &	as initia	ige listed above plus ten additional of each package bought as initial spares. The P-Form shows	es. Th	e P-Fo	rm shc	sw.
1732 Kit applications, since the spare packages are not installed on vehicles. In any given year, the total number of kits procured or installed can be a mix of the four packages. For example, FY95 procurement consists of 458 of "package A" plus 225 of "package B", for a total procurement of 713 kits. This package is restrucured from previous submissions in order to improve readability and comprehension.	ons, sin he four '13 kits.	pack This	e spa ages. pack	re pad For e age is	okage oxamp orestr	is are ile, Fi ucure	not ir Y95 p td frot	istaller rocure n prev	d on v ment ious s	enicie consit ubmis	sts of a	any gr 458 of in ord	ven ye "pack ler to i	ear, the cage A mprov	e total " plus e read	numbe 225 of ability	er of kill "pack: and co	s procւ age B", mpreh	ured or for a t	'install otal otal	b
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MI	TUS / MA.	JOR D	EVELC	PMEN	T MILL	LESTONES	ES:														
H : 1	i.		,				PLA	PLANNED 60 6-				*1	ACCC	ACCOMPLISHED	SHED						
Contractor lest and Evaluation	nd Eval Tootor	Uation		5			.u *	76/02					۲ ,	20/97							
Initial Operational Test and Evaluation TDP Available	ו באן ש) 	aluali	<u> </u>			5 ،	40/9/ 20/07					4 رد ک	40/97							
Kit Procurement							งผั	20/05					9	10							
Kit Application							Ö	30/03													
Installation Schedule:																					
	Pr Yr		FY 1997	997		Ц	"	FY 1998		Н		FY 1999				FY 2000		_	Ę	FY 2001	
	Totals	=	2	3		_			၉	4	-	2	3	4	-	2	3	4	+	2 3	
Inputs Outputs					ਲ -		2 کو	448	394	394	466	35 466	35				84	29	103	103	7.0
															_	_		J	<u> </u>	3	
		FY 2002	90S				FY 2003		H		FY 2004		\vdash		FY 2005				To		Totals
	-	2	3	4			2	3	4		2	8	4	╞	2	3	4	Complete	e		
Inputs Outputs	9	95	6	83	63		ಬ	r.													1792
METHOD OF IMPI EMENTATION:	FNTATIO		DOI /Contractor	ntracto	ļ		NISTR	ADMINISTRATIVE FADTIME:	FANT	ME	- "	1	Monthe	à	Tollido	1 100	POOD ICTION I EADTINE	9	Months	١	
Contract Dates:)		FY 1997	7	AUG 96		:	FY 1998		Mar 98			2	<u> </u>	FY 1999	Mar 99	קל פַּ		5	<u>0</u>	
Delivery Date:		-	FY 1997		JAN 97	7		FY 1998	866	Sep 98	86			`	FY 1999	Sep	Sep 99				

Item No. 182 Page 14 of 23 436

						INDIVIDUAL MODIFICATION	LMODIF	ICATION	2						ľ	Date		February 1998	1998	
MODIFICATION TITLE (Cont):		Σ	-9 ACE	M-9 ACE, System	dwl me	Improvement Plan 9-TACOM	int Plan	9-TAC	MOC											
FINANCIAL PLAN: (\$ in Millions)	FY	FY 1996																		
	and	and Prior	FΥ	FY 1997	FY	FY 1998	FY 1999	666	FY 2000	000	FY 2001	100	FY	FY 2002	FY 2003	600	TC		TOTAL	ہا
i i	οţ	\$	ð	\$	δ	s	Ofy	\$	à	မာ	à	es.	à	65	οţλ	es l	δţ	s	δ	8
HD I &E PROCUREMENT Kit Quantity Installation Kits	1316	6.7	28	4.0	48	2.4	101	3.6	103	3.8	86	3.7	108	1.4	0				1832	24.7
Installation Kits, Nonrecurring Equipment									<u>.</u>				·							
Equipment, Nonrecurring Engineering Change Orders					- All All All All All All All All All Al															
Data Training Equipment																				
Support Equipment																	.=			
Other									· ·											
Interim Contractor Support																	<u>,</u>			
																		· · · · ·		
Installation of Hardware	č	Ċ		7																Ċ
FY 1997 Eapt Kits	5	š			23	0.4	35	00											2 0 8 0	
FY 1998 Eqpt Kits									48	0.3									84	0.3
FY 1999 Eqpt Kits									53	0.1	72	0.2							101	0.3
FY 2000 Eqpt kits											103	0.2						-	103	0.2
FY 2001 Eqpt kits											9	0.1	92	0.2					98	0.3
FY 2002 Eqpt kits													8	0.2	ις.	0.			89	0.3
TC Equip-Kits																		· · · · · · · · · · · · · · · · · · ·		
Total Installment	. 31	0.8	819	1.3	3 489		35	0.2	11	0.4	181	0.5	155	0.4	5	0.1			1792	5.1
Total Procurement Cost		7.5		1.7	,	3.8		3.8	-	4.2		4.2		4.5		0.1				29.8

	Date February 1998		(RCT), MK 3 Mod 0 (1385-01-362-4811)		
INDIVIDIA MODIEICATION	NOTIFICAL MODIFICAL	rLE: Remote Ordnance Neutralization System 20-TACOM	MODELS OF SYSTEMS AFFECTED: Remote Controlled Explosive Ordnancnce Disposal Tool and Equipment Transporter (RCT), MK 3 Mod 0 (1385-01-362-4811)	COPOR CAS AC TOOL MOIN THUS LALL LALL TOUR TOOL TOOL CASOAS THE TOUR TOOL	ISTIFICATION:
		MODIFICATION TITLE:	MODELS OF SYS		DESCRIPTION / JUSTIFICATION:

ordnance (UXO) and terrorist improvised explosive devices (IED) which increases both safety and capability. The Army currently has 49 RCTs remote vehicle manipulator by providing shoulder rotation capability; and improve the video camera system. These improvements will enable The modification of the Remote Controlled Explosive Ordnance Disposal Tool And Equipment Transporter (RCT) will Increase the remote vehicle maximum speed from 0.9 to 2.5 mph; increase the operating range of the remote vehicle from 300 ft to 2134 ft (650m); improve the the RCT to be used in more situations, respond faster, and provide increased distance between the operator and hazardous unexploded (w/Dearmer and Equipment configuration).

RCT is a commercial item manufactured by REMOTEC, Inc (a subsidiary of Northop Brumman), Oak Ridge, TN as the "Andros MKV-A". The

modification will Program (DoD E	be perform ir 5160.62.	ed in the contractor's RDTE and ECP co	modification will be performed in the contractor's plant. This acquisition is managed by Navy under DoD Program (DoD Dir 5160.62. RDTE and ECP costs are funded by Navy PEO Mine Warfare (PMS-EOD).	managed by Navy un EO Mine Warfare (PMS	modification will be performed in the contractor's plant. This acquisition is managed by Navy under DoD EOD Technology and Training Program (DoD Dir 5160.62. RDTE and ECP costs are funded by Navy PEO Mine Warfare (PMS-EOD).	Training
DEVELOPMENT STATUS / MAJOR DEVELOPMENT	TUS / MAJOR	DEVELOPMENT MILES	F MILESTONES:			
			PLANNED	ACCOMPLISHED	ISHED	
Navy Contract Award	vard			20/97		
Development Test and Evaluation	st and Evale	nation	10/99			
IPR Production Decision/MS III	ecision/MS	=	3Q/99			
Exercise contract production option	production	option	3Q/99			
First modification			4Q/99			
Installation Schedule:						
-	Pr Yr	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001

							-			1		1 1 333	222		i		2				=	
	Totals	-	2	က	4	+	2		3	4	-	2	3	4	-	2	8	4	F	2	8	4
Inputs										_				20	2	5	5	5	5	25	5	7
Outputs		_												15	S	2	22	Ŋ	Ŋ	ນ	2	2
		FY 2002	72			FY 2003	003		L		FY 2004	8			FY 2005	35	\vdash		P		Totals	sg
	-	2	3	4	1	2	3		4	-	2	9	4	F	2	3	4	Complete	olete			
Inputs										<u> </u>						-						57
Outputs	2																					22
METHOD OF IMPLEMENTATION:	ENTATIO	Š	Contractor	ō]	ADMINISTRATIVE LEADTIME:	STRA	TIVE	LEADI	IME		9	3 Months		PRODUCTION LEADTIME:	TION	EADTIN		3 Months	onths		
Contract Dates:		Ĺ	FY 1997					FY 1998	866					_	FY 1999	J.	96 unf					
Delivery Date:		Ĺ	FY 1997					FY 1998	866					_	FY 1999	Ju	Jul 99					
																						1

Item No. 182 Page 16 of 23

Item No. 182 Page 18 of 23 440

				NDIVIDU	INDIVIDUAL MODIFICATION	ICATION						Date		February 1998	
MODIFICATION TITLE:	Driver's Vision Enhancer for M56 5-CBDCOM	Enhance	r for M®	96 5-CB	DCOM										
MODELS OF SYSTEMS AFFECTED: M56 Gen Smoke Mechanized, Motorized Dual Purpose (M99103)	AS AFFECTED: M56	gen Smoke	Mechani	ed, Moto	rized Dua	Purpose	(M99103	_							
DESCRIPTION / JUSTIFICATION:	IFICATION:														
The modification The addition of the	The modification kits will upgrade currently fielded, conditionally released, M56 smoke generator to include a driver's vision enhancer (DVE) The addition of the DVE will produce a full release. The smoke generator consists of a gas turbine power module, visual smoke module, IR	currently to	ielded, elease	conditic The sm	nally refore	eased, erator o	M56 sn consists	noke ger of a gas	nerator to sturbine	o includ power	e a driv module	er's visid , visual	on enha smoke i	ncer (DV nodule, If	<u> </u>
smoke module a	smoke module and electrical control module mounted on an M113 HMMWV. The visual screening module is capable of vaporizing fog oil for	ol module	mount	ed on a	n M113	HMMW	V. The	visual s	creening	j modul	e is cap	able of	vaporizi	ng fog oil	for
			Capa			g bal	Calate	ומנסומ מיים	padie di disserimianny paricolate material to provide do minutes di serecimiy.				į E		
DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILE	TUS / MAJOR DEVEL	OPMENT N	EST	ONES: PLANNED		ACCOM	ACCOMPLISHED	Ω							
Contract Award				Feb 99	_										
FUE/IOC				Mar 00											
Installation Schedule:															
	Pr Yr	FY 1997		FY	FY 1998		Ш	FY 1999		-	FY 2000			FY 2001	
Inputs Outputs	Totals 1	3	4	1 2	е .	4	-	2	4	- = =	2 3 58 66 58 66	3 4 66 8 66 8	-	0	3
	FY 2002		-	FY 2003			FY 2004			FY 2005			То		Totals
	1 2	4	-	2	4	-	2	3	-	2	8	4 S	Complete		
Inputs Outputs															143 143
METHOD OF IMPLEMENTATION:	IENTATION:		ADN	IINISTRA	ADMINISTRATIVE LEADTIME:	DTIME:	4	Months		PRODUCTION LEADTIME:	ION LEA	DTIME:	8 W	Months	
Contract Dates:	FY 1997	26			FY 1998				Ĺ	FY 1999	Feb 99	<u></u>			
Delivery Date:	FY 1997	26			FY 1998				Ĺ.	FY 1999	Oct 33	6			

					Z	INDIVIDUAL MODIFICATION	L MODI	FICATION								Date		Februa	February 1998	
MODIFICATION TITLE (Cont):		Dri	ver's V	Driver's Vision En	inhanc	er for N	A56 5-I	hancer for M56 5-CBDCOM	∑											
FINANCIAL PLAN: (\$ in Millions)																				
	FY 1	FY 1996		Ī																
	ang ⊘tչ	and Prior	FY 1997 Otv	\$	Ž Š	FY 1998 tv \$	- - - - - - - - - - - - - - - - - - -	FY 1999 tv \$	FY 2000 Otv 8	00 \$	FY 2001 Ofv 3	- - - -	₹ Ş	FY 2002	FY 2003	\$003	ř		TOTAL	TAL S
RDT&E PROCUREMENT															i					
Kit Quantity							143			-									143	
Installation Kits								2.9												2.9
Installation Kits, Nonrecurring																		-		
Equipment Noncourring		•																		
Engineering Change Orders																				
Data															_					
Training Equipment																		-		-
Support Equipment																				
Other																				
Interim Contractor Support																				
											-								_	
	·															_				
Installation of Hardware																_			_	
FY 1996 & Prior Eqpt Kits	-													-					_	
FY 1997 Eqpt Kits																			_	
FY 1998 Eqpt Kits	•																		_	
FY 1999 Eqpt Kits																			_	_
FY 2000 Eqpt kits																			_	
FY 2001 Eqpt kits																				
FY 2002 Eqpt kits																				
FY 2003 Eqpt kits																				
TC Equip-Kits															_				_	
Total Installment																				
Total Procurement Cost								2.9						-						2.9

		DIVIDNI	INDIVIDUAL MODIFICATION	ATION				Date		February 1998	98
MODIFICATION TITLE: Land	Landing Craft Utility 1-96-C	6-08-3109									
MODELS OF SYSTEMS AFFECTED: Landing Craft Utility	CTED: Landing Craft Ut	lity (LCU 2000)									
DESCRIPTION / JUSTIFICATION:	NC:										
This upgrade will correct safety and operational shortcomings identified by the user community and combat developer. It will also include changes that eliminate environmental hazards to the vessel or crew and also changes that correct technical or operational deficiencies.	t safety and operation	onal shortcom rds to the vess	ings identifi	ed by than a lsc	e user comr	nunity and	combat devel echnical or op	loper. It erations	will also	o include encies.	m
Some examples are; replacement of existing watertight doors with Navy Standard doors, installation of an efficient, low maintenance drinking water purifier, installation of a reliable oil water separator that meets current pollution standards, new lube oil filtration system.	placement of existing	ng watertight d	loors with N	avy Sta	ndard doors	installation	watertight doors with Navy Standard doors, installation of an efficient, low maintenance oil water separator that meets current pollution standards, new lube oil filtration system	nt, low n e oil filte	naintena ation sys	ance	
replacement of old four blade propellers with five blade propellers.	blade propellers wi	h five blade pr	opellers.					, ,			

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILI	JOR DEVELOPMENT	MILESTONES:									
		<u>α</u>	Ω		ACCC	ACCOMPLISHED	Ω				
Kit Procurement		FY99-05)5								
Kit Application		FY00-05	35								
										:	
Installation Schedule:	FY 1997	Ĺ	FY 1998		FY 1999		FY 2000			FY 2001	
Totals	1 2 3	4 1	2 3	4	2 (3 4	1 2	3 4	-	2	3
Inputs Outputs						-		-			- 2
	2002	FY 2003		Ą	2004		2005		То		Totals
	2 3 4	1 2	4	=			6		Complete		
Inputs 2		-	-		ო ო ო	თ თ თ თ	ი ი	ი <u>ი</u>			9 9 9
METHOD OF IMPLEMENTATION:	ON: MIPR	ADMINISTR	ADMINISTRATIVE LEADTIME:	IME:	6 Months		JCTION LEA	JTIME:	3 WC	Months	
Contract Dates:	FY 1997		FY 1998			FY 1	FY 1999 May 99	66			
Delivery Date:	FY 1997		FY 1998			FY 1	FY 1999 Aug 99	6			

Item No. 182 Page 20 of 23 442

					킬	IVIDUAL	INDIVIDUAL MODIFICATION	CATION							De	Date		February 1998	y 1998	
MODIFICATION TITLE (Cont):		La	nding (Landing Craft Util	ility 1-6	ity 1-96-08-3109	109													
FINANCIAL PLAN: (\$ in Millions)																				
	F.Y and	FY 1996 and Prior	Ā	FY 1997	FY 1998	866	FY 1999	65	FY 2000	8	FY 2001	-	FY 2002	20	FY 2003	03	ļ		TOTA	ā
	ģ	8	ģ	s	Ş	\$		L	Oty Oty	T	Oţ.	 	Oty	\$	Oto Oto	69	o o	\$	Ş	€
RDT&E								 							-					
FROCOREMEN : Kit Quantity				·				•												
Installation Kits							က	0.5	က	0.5	22	0.8	-	0.2	_	0.2	21	3.2	34	5.4
Installation Kits, Nonrecurring																			-	
Equipment										-					•					
Equipment, Nonrecurring																				
Engineering Change Orders				-										•			_			
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware																				
FY 1996 & Prior Eqpt Kits																				
FY 1997 Eqpt Kits																				
FY 1998 Eqpt Kits								-												
FY 1999 Eqpt Kits							7	1.2	-	0.6								•	က	1.8
FY 2000 Eqpt kits								<u>.</u>	2	1.2	_	9.0							က	1.8
FY 2001 Eqpt kits											2	2.8			•				5	2.8
FY 2002 Eqpt kits													-	9.0					_	9.0
FY 2003 Eqpt kits															_	0.5			-	0.5
TC Equip-Kits											_						21	12.6	21	12.6
Total Installment							2	1.2	ဗ	1.8	9	3.4	-	9.0	-	0.5	21	12.6	34	20.1
Total Procurement Cost								1.7		2.3		4.2		9.0		0.7		15.8		25.5

Item No. 182 Page 22 of 23

				Z	INDIVIDUAL MODIFICATION	MODIF	ICATION	_						Date				
MODIFICATION TITLE (Cont):	Lo	Logistics Support	Suppoi	ا څ ا	Vessel 1-90-08-3130	-08-31	02											
FINANCIAL PLAN: (\$ in Millions)	FY 1996	,															:	
	F.	FY 1997	1997	۲	FY 1998	FY 1999	H	FY 2000	H	FY 2001	H	7 200	H	7 200		10	2	TOTAL
BDT&E	Oty &	ð	69	ð	es .	}	69	à	€	à	Ф	à	S	S A	ð	မှ	ĝ	-
PROCUREMENT Kit Quantity									•									
Installation Kits						-	0.5	8	1.0	8	0.1	-					.c	2.5
Installation Kits, Nonrecurring Equipment																		
Equipment, Nonrecurring																		
Engineering Change Orders		····																
Data Training Equipment								-			 O							0.3
Support Equipment																		
Other																		
Interim Contractor Support																		
Installation of Hardware																		
FY 1996 & Prior Eqpt Kits																		
FY 1997 Eqpt Kits																		
FY 1998 Eqpt Kits																		
FY 1999 Eqpt Kits						-	2.4											1 2.4
FY 2000 Eqpt kits								N	4.8									2 4.8
FY 2001 Eqpt kits										7	4.7							2 4.7
FY 2002 Eqpt kits												•						
FY 2003 Eqpt kits								-										
TC Equip-Kits												-						_
Total Installment						-	2.4	2	4.8	2	4.7		+					5 11.9
Total Procurement Cost	_						5.9		5.8		6.0							14.7

P-1 Item Nomenciature: PHODUCTION BASE SUPPORT (OTH) (MA0450)			Exhibit P-4	Exhibit P-40, Budget Item		Ustification Sheet			Date:		February 1998		
Other ProcureMent / 3 / Other Support Equipment Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code: Other Related Program Elements: Code:	Appropriation / Budget Activity/Serie	al No:					P-1 Item Nomenclatu	re:					
Action Prior Years FY 1995 FY 1996 FY 1996 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6	OTI	HER PROCUREMENT	7/3/Other Support	Equipment					PRODUCTION	# BASE SUPPORT (C	TH) (MA0450)		
Prior Years FY 1995 FY 1996 FY 1996 FY 1999 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 2.6	Program Elements for Code B Item	ij			Code:	Other Related Progr	am Elements:						
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6		Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6	Proc Oty												
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6	Gross Cost	283.8	4.0	2.2	1.9	2.2	2.3	2.5	2.4	2.6	2.6	0.0	306.5
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6	Less PY Adv Proc									•			
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6 283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6	Plus CY Adv Proc												
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6	Net Proc (P-1)	283.8	4.0	2.2	1.9	2.2	2.3	2.5	2.4	2.6	2.6	0.0	306.5
283.8 4.0 2.2 1.9 2.2 2.3 2.5 2.4 2.6	Initial Spares												
Flyaway U/C Won Svs Proc U/C	Total Proc Cost	283.8	4.0	2.2	1.9	2.2	2.3	2.5	2.4	2.6	2.6	0.0	306.5
Wpn Svs Proc U/C	Flyaway U/C												•
	Wpn Sys Proc U/C												

DESCRIPTION: This program sustains and improves our current capabilities through the purchase of equipment, instrumentation, and facilities. Enhancement of the current capabilities improves productivity of data acquisition and analysis. The rehabilitation of a variety of industrial plant equipment is required to ensure the continuing capability to perform assigned tasks of procuction acceptance testing and product improvement testing of Army materiel.

JUSTIFICATION: Funding in FY99 will be used for replacement of equipment and instrumentation used in production testing at Yuma, Aberdeen Proving Grounds, Dugway Proving Ground and the Cold Region Test Center, Ft. Greely, Alaska.

Exhibit P-5, Weapon OPA Cost Analysis		Appropriation/ Budget Activity/Serial No: OTHER PROCUREMENT / 3 / Other Support	get Activity/S TEMENT / 3	Serial No: / Other Support		P-1 Line Item PRODUC	P-1 Line Item Nomenclature: PRODUCTION BASE SUPPORT (OTH)	эРОВТ (ОТН)		Weapon System Type:		Date: Febri	February 1998
	7		Equipment				(MA0450)						
	<u>0</u>		FY 96			FY 97			FY 98			FY 99	
Cost Elements	ខ	TotalCost	Q to	UnitCost	TotalCost	Q Qfy	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
		\$000	Each	\$000	\$000	Each	\$000	000\$	Each	\$000	000\$	Each	\$000
09X5063 PSR, Aberdeen Prov'g Ground Production Support and Equipment Replacement (PSR) of existing test equipment support, record and analyze performance data during production testing.		\$0.788			\$0.770			\$0.950			\$0.970		
09X5066 PSR, Dugway Proving Ground Replacement of obsolete instrumentation/ equipment which supports production acceptance testing on various Army sys.								\$0.148			\$0.200		
09X5068 PSR, Yuma Proving Ground Replacement of Automotive Instrumentation Equipment, Dynamic Test Support Equipment, etc., to support data gathering for test support.		\$0.747			\$0.895			\$0.891			\$0.904		
09X5070 PSR, Cold Region Test Center Replacement of existing test equipment, instrumentation, provide telemetry data transmission, and telephoto lens for IR Imaging Camera to analyze performance data during cold weather testing of other support equipment.		\$0.242			\$0.240			\$0.200			\$0.200		
HAZARDOUS Minimization Project Office Secretary of Army		\$0.400								•			
TOTAL		\$2.177			\$1.905			\$2.189			\$2.274		

	P-40, Budget Item Justification Sheet		er Support Equipment	ဝိ		1995 FY 1996	0.4 8.9		0.4 8.9	0.4 8.9	
	n Justific			Code:	<	FY 1997	13.5		13.5	13.5	
	ation She			Other Related Program Elements:		FY 1998	14.6		14.6	14.6	
	et	P-1 Item Nomenclature:		gram Elements:		FY 1999	15.1		15.1	15.1	
		ature:	S			FY 2000	18.2		18.2	18.2	
Date:			PECIAL EQUIPM			FY 2001	27.0		27.0	27.0	
			SPECIAL EQUIPMENT FOR USER TESTING (MA6700)			FY 2002	18.8		18.8	18.8	
	February 1998		ESTING (MA670			FY 2003	19.2		19.2	19.2	
			(0			FY 2003 To Complete Total Pro	0.0		0.0	0.0	
						Total Pro					

OTHER PROCUREMENT / 3 / Othe

rogram Elements for Code B Items:

ppropriation / Budget Activity/Serial No.

Exhibit

7

Prior Years

238.3

Less PY Adv Proc Plus CY Adv Proc

Proc Oty Gross Cost 238.3

Fotal Proc Cost

Flyaway U/C

Wpn Sys Proc U/C

238.3

Net Proc (P-1) nitial Spares

sustaining instrumentation. Major User Test Instrumentation and Army Threat Simulators provide support for Operational Testing (OT) and Force item. Major User Test Instrumentation acquisitions are typically production items of instrumentation equipment developed under RDT&E funded Development Testing and Experimentation (FDTE). Threat Simulator and OT&E procurements are normally for small quantities, frequently one contracts. Typical Army Threat Simulator acquisitions are commercial end items. These are used as components in Threat Simulators. When This program provides funding for Major User Test Instrumentation, Army Threat Simulators, and Operational Test and Evaluation (OT&E) available, Foreign Threat Systems and end items are acquired. OT&E Sustaining Instrumentation procures low dollar augmentations and replacements for obsolete or technically deficient equipment. **DESCRIPTION:**

JUSTIFICATION:

will provide the capability of providing command, coordination and range control for two or more test running concurrently. XM06A Critical Spares Kit will provide subassemblies required to support the XM06A Threat System. Quick-Look Instrumentation Reduction Workstation will acquire the FY99 funding supports acquisition of the following procurement items under the OPTEC Test Instrumentation Program (OTIP). Procures: Threat links for operational testing. Jammer Modulation Upgrade will upgrade the modulation subsystem utilized in the automated intelligence/electronic Jammer Replicator Amplifier (AMP) will be used to test US systems' vulnerability to Electronic Countermeasures (ECM). Mobile Command Post System. Communications assets will provide foreign tactical radios and commercial communications systems used as target communications on-line quick look capability for assessment of data being collected from selected player units through the Video Telemetry and Recording warfare test system. Exhibit P-40,

				Data
Exhibit P-40C Budget Item Justification Sheet	em Justi	fication She	et	February 1998
Appropriation / Budget Activity/Serial No.			P-1 Item Nomenclature	
OTHER PROCUREMENT / 3 / Other Support Equipment			83	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)
Program Elemenis for Code B Ilems	Code	Code Other Related Program Elements	gram Elements	

enhanced low-altitude performance. The Mobile Automated Instrumentation Suite (MAIS) FY99 procurement buys 60 ground vehicle player units, The effort in FY99 procures initial spares for actual foreign materiel. The XM17S represents an Advanced Air Defense System for testing of U.S. 12 rotary wing player units, 20 crew served weapons, interim contract logistics support, engineering and testing support. The MAIS will provide weapons systems. It is highly mobile and very effective against low altitude targets. This project supports all U.S. electronic countermeasures development and operational tests including tactics evaluation. This is the only proposed simulation of a multiple Target Tracking-System with the capability to meet the test and evaluation needs for future hardware, tactics, and organizations in an operational environment. The player units will be mounted on ground vehicles, fixed wing aircraft, helicopters, crew served weapons and individual soldiers to test emerging technologies and upgrades to weapon systems in a combat realistic field environment.

								Date:				
	ũ	Exhibit P-40, Budget Item Justification Sheet	, Budget It	em Justifi	cation She	et				February 1998		1
Appropriation / Budgel Activity/Serial No:	y/Serial No:					P-1 Item Nomenclature:	lature:					
OTHE	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Suppo	rt Equipment		-		S	PECIAL EQUIPM	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	TESTING (MA670)	6	
Program Elements for Code B Items:	3 Items:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	0:0	3.7	3.2	1.6	8.	1.7	1.8	2.8	6.9	7.0	0.0	30.5
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0:0	3.7	3.2	1.6	1.8	1.1	1.8	2.8	6.9	7.0	0.0	30.5
Initial Spares												
Total Proc Cost	0.0	3.7	3.2	1.6	1.8	1.7	1.8	2.8	6.9	7.0	0.0	30.5
Flyaway U/C												
Wpn Sys Proc U/C												
DESCRIPTION												

To remain abreast of new weapons and communications systems, this project provides a cost effective data collection, telemetry, and processing capability

echnology advances into OPTEC Instrumentation. It supports Real-Time Casualty Assessment (RTCA) providing simulated attrition of forces. Evaluation Command's (OPTEC's) instrumentation capability and develops non-major instrumentation that is non-intrusive, more reliable, and to conduct credible operational tests as required by the Department of Defense (DOD) and Congress. It modernizes Operational Test and provides near real-time access of data for test control and analysis by integrating combat simulators into operational test and by inserting

JUSTIFICATION:

provide subassemblies required to support the XM06A Threat System. Quick-Look Instrumentation Reduction Workstation will acquire the on-line FY99 funding supports acquisition of the following procurement items under the OPTEC Test Instrumentation Program (OTIP). Procures: Threat Jammer Replicator AMP will be used to test US systems' vulnerability to Electronic Countermeasures (ECM). Mobile Command Post will provide operational testing. Jammer Modulation Upgrade will upgrade the modulation subsystem utilized in the automated intelligence/electronic warfare the capability of providing command, coordination and range control for two or more test running concurrently. XM06A Critical Spares Kit will Communications Assets will provide foreign tactical radios and commercial communications systems used as target communications links for quick look capability for assessment of data being collected from selected player units through the Video Telemetry and Recording System. test system.

bit P-5,	<u> </u>	Appropriation/ Budget Activity/Serial No:	udget Act	vity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	rre:	ĺ	Weapon System Type:	Γ	Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other Support Equipment	PROCUREMENT / : Support Equipment	IT / 3 / Other		SPECIA	SPECIAL EQUIPMENT FOR USER	FOR USER				Febr	February 1998
VDD	₽		FY 96			FY 97	ESTING (MAG/U)	(2)	EV 98			EV 00	
ents	8	TotalCost	â	UnitCost	TotalCost	â	UnitCost	TotalCost	ê	UnitCost	TotalCost	ã	UnitCost
Precision Range Integrated Maneuver Exercise (PRIME)	∢ .	\$000 2,956	Each 3	\$000	000\$	Each	000\$	\$000	Each	000\$	\$000	Each	000\$
EWMF Microwave Wide Bandwidth	∢	248	_	248									
Radar Threat Signal Emulator	⋖				193	-	193						
Mobile Command Post	۷				332	N	166		-				
XMHKS Critical Spares Kit	∢				205	+	202						
Microwave LOB System Replacement	⋖				408	+	408						
RIM Upgrade					152	-	152						
Fast Scan HF Receiver VMT-C	∢				344	-	344	538	_	538			
HKS Amp and Spares	∢							205	-	205			
OGA Chassis	⋖							214	-	214		-	
Quick-Look Instru Reduction Workstation	∢							200	_	200			
TEXCOM ADATD Player & Event System Enhancement	٧							215	-	215			
Millimemeter Wave Receiver System	∢							400	_	630			
Threat JAMMER Replicator (K Band)	∢										400	-	400
Mobile Command Post	∢										332	=	332
XMO6A Critical Spares Kit	∢										236	-	236
Quick Look Instrumentation Station	∢										180	=	180
Communications Assets	∢										250	-	250
Jammer Modulation Upgrade	٧										260	_	260
TOTAL		3,204			1,634			1,772			1,658		
	1		1						1				

_		Appropriation/ Budget Activity/Serial No:	3udget Act	ivity/Serial No:		P-1 Line It	P-1 Line Item Nomenclature:	Jre:		Weapon System Type:		Date:	
OPA Cost Analysis		Supp	Support Equipment	NI / 3 / Other nent		SPECIA	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	FOH USEH				Febru	February 1998
OPA	₽		FY 96			FY 97			FY 98			FY 99	
Cost Elements	CD	Ħ	Qty	UnitCost	TotalCost	_	UnitCost	#	Qty	UnitCost	TotalCost		UnitCost
		\$000	Each	\$000	000\$	Each	000\$	000\$	Each	\$000	\$000	Each	\$000

								Date:				
	Ex	hibit P-40,	Budget It	Exhibit P-40, Budget Item Justification Sheet	ation She	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	ature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other	/ 3 / Other Suppor	Support Equipment				S	PECIAL EQUIPM	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	ESTING (MA6700	(6	
Program Elements for Code B Itams:	Items:			Code:	Other Related Program Elements:	gram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2003 To Complete	Total Prog
Proc Qty												·
Gross Cost	0.0	6.8	5.7	10.0	9.0	0.5	3.4	4.1	12.7	13.0	0.0	56.8
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	6.8	5.7	10.0	0.6	0.5	3.4	4.1	12.7	13.0	0.0	56.8
Initial Spares												
Total Proc Cost	0.0	6.8	5.7	10.0	9.0	0.5	3.4	4.1	12.7	13.0	0.0	57.9
Flyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

procurement funds to resource this portion of the project equipment, which supports U.S. Army Major System Operational Testing such as the Nondevelopmental Items (NDI) to the maximum extent possible (for example, Chassis, Subsystems, Commercial Equipment, or Actual Threat AVENGER, APACHE LONGBOW, OH-58 Armed, Comanche (RAH66) and Aircraft Survivability Equipment (ASE) warning receiver systems. Joint-Tactical Information Distribution System (J-TIDS), Multiple Launch Rocket System (MLRS), Sense and Destroy Armor V (SADARM V), The Acquisition Strategy used by the Army Threat Simulator program is to procure actual foreign hardware. The second option is to use Weapons) which integrates into a Threat Simulator design. The high probability of acquiring NDI equipment has lead to programming of

JUSTIFICATION:

The effort in FY99 procures initial spares for actual foreign materiel. The XM17S represents an Advanced Air Defense System for testing of U.S. weapons systems. It is highly mobile and very effective against low altitude targets. This project supports all U.S. electronic countermeasures development and operational tests including tactics evaluation. This is the only proposed simulation of a multiple Target Tracking-System with enhanced low-altitude performance.

Exhibit P-5, Weapon		Appropriation/ E	udget Ac	Appropriation/ Budget Activity/Serial No:		P-1 Line I	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
OPA Cost Analysis		Sing Sing	PHOCUREMENT / 3	OTHER PROCUREMENT / 3 / Other Support Faminment		SPECI,	SPECIAL EQUIPMENT FOR USER	FOR USER				Febr	February 1998
Vac	Ċ	dano	EV OF				TESTING (MA6700)	3700)					
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	3	10talCost	Ŝ	UnitCost	lotalCost	S	UnitCost	TotalCost	Qt	UnitCost	TotalCost	Q Ç	UnitCost
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ARMY THREAT SIMULATORS							,						
A. XMTAR Software Upgrade		739	_	739									
B. XMC3S Off the Shelf Procession		1174	_	1174	89		88						
C. XM17S Antenna		1858	-	1858									
D. XM18S NDI Scoring Packages		1910	2	382									
E. XM330ES Communication Jammer					0009	ю	2000						
F. XM15S Initial Spares					1319	-	1319						
G. XM17S Initial Spares								602	-	602	504	-	504
I. XM330ES Initial Spares					2550	က	850						
TOTAL		11895			9958		The same of the sa	602			504		
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Item No. 184 Page 7 of 14 454

Exhibit P-5a.	a. Budget Procurement History and Planning	History	and Planning					Date: Feb	February 1998	
Appropriation / Budget Activity/Serial No:		Weapon System Type:	em Tvpe:	ľ	P.1 Line Iten	P-1 Line Item Nomenclature				T
OTHER PROCUPEMENT / 3 / Other Support Equipment					SPECI	AL EQUIPM	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	3 TESTIN	3 (MA670)	6
WBS Cost Elements:	Contractor and Location	Contract Method	Location of PCO	Award Date	Date of First	ΩT		Specs Avail F	Date RF Revsn	RFP Issue Date
Fiscal Years		and Type			Defivery	Each	\$000	Now?		
E. XM330ES Communication Jammer FY 97	GTE, Tempe, AZ	FFP/SS I	FFP/SS MICOM, RSA, AL	Jan-97 Jan-98	Jan-98	ဧ	2000	Yes		
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Item No. 184 Page 9 of 14 456

Exhibit P-40,	Sudget them, fustification Sheet
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	Œ	Exhibit P-40,	Budget It	em Justifi	10, Budget Item Justification Sheet	et				February 1998		
Appropriation / Budget Activity/Serial No:	//Serial No:					P-1 Item Nomenclature:	lature:					
ОТНЕ	OTHER PROCUREMENT / 3 / Other Support Equipment	73/Other Suppor	rt Equipment				v	SPECIAL EQUIPMENT FOR USER TESTING (MA6700)	ENT FOR USER T	ESTING (MA670)	6	
Program Elements for Code B Items:	I lems:			Code:	Other Related Program Elements:	ogram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	· FY 2001	FY 2002	FY 2003	FY 2003 To Complete Total Prog	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	0.0	1.9	12.2	12.9	13.0	20.2	0.0	0.0	0.0	60.2
Less PY Adv Proc												
Plus CY Adv Proc												The second second
Net Proc (P-1)	0.0	0.0	0.0	1.9	12.2	12.9	13.0	20.2	0.0	0.0	0.0	60.2
Initial Spares												
Total Proc Cost	0.0	0.0	0.0	1.9	12.2	12.9	13.0	20.2	0.0	0.0	0.0	67.9
Fiyaway U/C												
Wpn Sys Proc U/C												

DESCRIPTION:

systems and personnel under tactical conditions for large scale operations. The MAIS will instrument combat systems in the operational forces to provide encrypted Real Time Casualty Assessment (RTCA) and Time, Space, and Positioning Information (TSPI) data. The MAIS system and its The Mobile Automated Instrumentation Suite (MAIS) provides users a high fidelity, realistic, real-time capability to measure the performance of data are the tools that will enable objective assessments for new materiel acquisition, force structuring, doctrine and tactics modification and through the High Level Architecture (HLA) Protocol Data Unit (PDU) format, provide data to validate the future DoD warfighting models and simulations, all in support of multi-service test and training exercises.

JUSTIFICATION:

The MAIS FY99 procurement buys 60 ground vehicle player units, 12 rotary wing player units, 20 crew served weapons, interim contract logistics support, engineering and testing support. The MAIS will provide the capability to meet the test and evaluation needs for future hardware, tactics, served weapons and individual soldiers to test emerging technologies and upgrades to weapon systems in a combat realistic field environment. and organizations in an operational environment. The player units will be mounted on ground vehicles, fixed wing aircraft, helicopters, crew

Exhibit P-5		Appropriation/ Budget Activity/Serial No:	udget Act	ivity/Serial No:		P-1 Line l	P-1 Line Item Nomenclature:	ure:		Weapon System Type:		Date:	
OPA Cost Analysis		OTHER PROCUREMENT / 3 / Other	PROCUREMENT / : Support Equipment	VT / 3 / Other		SPECIA	SPECIAL EQUIPMENT FOR USER	FOR USER		Vari	Various	Febru	February 1998
Vac	9	ddno	FY 96			EV 97	TESTING (MA6700)	3700)	EV 98			20 20 20 20 20 20 20 20 20 20 20 20 20 2	T
ients	8	TotalCost	à	UnitCost	TotalCost	ĝ	UnitCost	TotalCost	å	UnitCost	TotalCost		UnitCost
	П	\$000	Each	\$000	\$000	Each	000\$	\$000	Each	\$000	\$000	Each	\$000
MAJOR USER TEST INSTRUMENTATIO	8												
A. MAIS Ground Vehicle Player Unit								9024	64	141	0966	09	166
B. Rotary Wing Player Unit								1584	80	198	2352	12	196
C. Crew Served Weapons			•								180	20	6
D. MAIS AGES II Kits					1029	4	257						
E. Audio Visual Cue Devices								1128	141	&			
F. Instrumentation Systems					850	-	820						,
G. Engineering Support				.*				230			200		
H. Test Support (1A)								130			107		***
I. Interim Cont Logistics Support								104			101	***	
Total					1879			12200			12900		

Item No. 184 Page 11 of 14 458

Exhibit	Exhibit P-5a, Budget Procurement History and Planning	listory an	nd Planning					Date: Feb	le: February 1998	866
Appropriation / Budget Activity/Serial No: UTHEH PHUCUHEMENT / 3/ Other Support Frainment		Weapon	Weapon System Type:		9-1 Line II SPECI,	tem Nome AL ECIUIT	P-1 Line Item Nomenclature: SPECIAL EQUIPMENT FOH USEH TESTING (MA6700)	CUSER	I ES I	.5 Z
WBS Cost Elements: Fiscal Years	Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each		Spec s Now?	Date Revs Avail	RFP Issue
A. MAIS Ground Vehicle Player Unit FY 98 FY 99	Lockheed/Martin, Akron, Ohio Lockheed/Martin, Akron, Ohio	Option*	Option* NAWC, Orlando, FL Option* NAWC, Orlando, FL	Feb-98 Oct-98	May-99 Jan-00	64	= 98	YES	<u> </u>	
B. Rotary Wing Player Unit FY 98 FY 99	Lockheed/Martin, Akron, Ohio Lockheed/Martin, Akron, Ohio	Option* Option*	NAWC, Orlando, FL NAWC, Orlando, FL	Feb-98 Oct-98	May-99 Jan-00	8 21	198 196	YES	9 9 2 8	
C. Crew Served Weapons FY 99	Lockheed/Martin, Akron, Ohio	Option*	NAWC, Orlando, FL	Oct-98	Jan-00	20	6	YES	Q Q	
D. MAIS AGES II Kits FY 97	Lockheed/Martin, Akron, Ohio	Option	NAWC, Orlando, FL	Aug-97	Aug-98	4	257	YES	Q Q	
E. Audio Visual Cue Devices FY 98	Cubic, San Diego, CA	Option	NAWC, Orlando, FL	Mar-98	Aug-98	141	8	YES	<u>S</u>	
F. Instrumentation Systems FY 97	Tesco, Ft Hood, TX	Option	OPTEC, Ft Hood, TX	Mar-97	Oct-97	-	850	YES	Q N	· ·
PEMARKS: Sole source production contract with options to be awarded Quantities are reduced due to increase in contractor cost. NAWC=Naval Air Warfare Center OPTEC=Operational Test & Evaluation Command	vith options to be awarded Feb 98. rease in contractor cost. uation Command	98.]		.	1	

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Item No. 184 Page 13 of 14 · 460

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B. Rotary Wing Player Unit								_															_			
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R NAME / LOCATION		N.	1-8-5		MAX.		Number		NITIA	r	╁	Prior 1 Oct.	Ö C	Affe	After 1 Oct.	┿	Affer 1 Oct	<u>.</u>	Affer 1 Oct	ë Ö	Bas eacl	sed or h sub:	ourre sequer	Based on current funding profile, each subsequent FY will emulate	afing p	rofile, ulate
Lockheed/Martin,		20	250		750	T	•		REORDER	 	╁	1	T		. .	╀	2 9	T	1 9		sch	edule	of initi	schedule of initial production.	luction	
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		Exhibit P-4	Exhibit P-40, Budget Item	em Justific	Justification Sheet				February 1998			
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Hem Nomenclature:	ıre:					
Ю	OTHER PROCUREMENT / 3 / Other Support Equipment	7/3/Other Support E	Equipment				MA8975 (MA8975)	MA8975)				
Program Etements for Code B Items:	лS:			Code:	Other Related Program Elements:	ram Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0:0	0.0	2.2	2.2	4.1	0.9	4.5	2.4	6.5	4.8	0.0	32.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	2.2	2.2	4.1	6.0	4.5	2.4	6.5	4.8	0.0	32.7
Initial Spares												
Total Proc Cost	0.0	0.0	2.2	2.2	4.1	6.0	4.5	2.4	6.5	4.8	0.0	32.7
Flyaway U/C												
Wpn Sys Proc U/C												

mission capability for a classified program. Current industry practice of minimizing inventory and manufacturing only to order has caused revisions in operational plans that formerly depended on rapid procurements. Reduced demand for heavy industrial process components and the subsequent shrinkage of the U.S. manufacturing base JUSTIFICATION: FY99 funds will provide for the replacement of critical components that are approaching end of shelf-life and new equipment required to maintain in casting, forging, and fabrication have caused lead times to exceed the acceptable mobilization period. Procurement of these components will ensure successful mission responses to emergency situations.

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		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifical	tion Sheet			Date:		February 1998		
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Item Nomenclature:	ıre:					
	OTHER PROCURE	OTHER PROCUREMENT / 4 / Initial Spares	res					INITIA	INITIAL SPARES - TSV (DS1000)	S1000)		
Program Elements for Code B Items:	ms:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prod
Proc Qty												Ĉ
Gross Cost	0.0	0.0	0.1	0.1	0.1	4.4	0.1	0.0	3.6	3.6	0.0	12.0
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.1	0.1	0.1	4.4	0.1	0.0	3.6	3.6	0.0	12.0
nitial Spares												
Total Proc Cost	0.0	0.0	0.1	0.1	0.1	4.4	0.1	0.0	3.6	3.6	0.0	12.0
Flyaway U/C												
Wpn Sys Proc U/C												
Description: Provides for procurement of spares to support initial fielding of new or modified end items.	les for procure	ment of span	es to support	initial fielding	g of new or n	nodified end	items.					
Justification: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:	unds in this ac nitial support, f	count procure funds are non	e depot level mally required	reparable (D∣ d in the sam€	LRs) second year that e	arable (DLRs) secondary items from the Supply Management, Am the same year that end items are fielded. Initial spares breakout:	om the Supply fielded. Initik	y Manageme al spares bre	ent, Army acti eakout:	ivity of the A	rmy Working	Capital
System		FY 1996	FY 1997	FY 1998	FY 1999							
FMTV		0.1			4.3							
PEO Other			0.1	0.1	0.1							
Total		0.1	0.1	0.1	4.4							

		:						Oale:				
		Exhibit P-4	Exhibit P-40, Budget Item Justification Sheet	em Justifice	ation Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	al No:					P-1 Item Nomenclature:	re:					
	OTHER PROCURE	OTHER PROCUREMENT / 4 / Initial Spares	ares					INITIAL	INITIAL SPARES - C&E (BS9100)	(9100)		
Program Elements for Code B Items:	:5:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prog
Proc Qty												
Gross Cost	0.0	0.0	64.3	57.2	53.3	73.4	46.7	63.7	53.4	48.2	0.0	460.2
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	64.3	57.2	53.3	73.4	46.7	63.7	53.4	48.2	0.0	460.2
Initial Spares												
Total Proc Cost	0.0	0.0	64.3	57.2	53.3	73.4	46.7	63.7	53.4	48.2	0.0	460.2
Flyaway U/C												-
Wpn Sys Proc U/C												
Description: Provides for procurement of spares to support i	s for procure	ment of spar	es to support	initial fieldin	g of new or n	nitial fielding of new or modified end items.	tems.					
Justification: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army activity of the Army Working Capital	nds in this acc	count procure	e depot level	reparable (D	LRs) second	lary items froi	π the Supply	Managemer	ıt, Army actiν	ity of the Arr	my Working C	apital
Fund. To provide initial support, funds are normally required	itial support, f	funds are nor	mally require	d in the sam	e year that ei	in the same year that end items are fielded. Initial spares breakout:	fielded. Initia	I spares brea	akout:	•	,	

System	FY 1996	FY 1997	FY 1998	FY 1999	
FAAD C2	1.6	1.2	1.6	0.8	
csscs	0.5	0.8	0.3	0.2	
AFATDS	0.2	2.1	2.0	3.3	
ASAS (TIARA)	2.0	9.0			
PEO CCSS	0.1	0.2	1.0	6.0	
SCAMP		1.2	2.6	3.8	

(Cont)

	Exhibit P-40C Budget Item Justification Sheet	; Budget Ite	m Justifica	lion Sheet		Date February 1998
Appropriation / Budget Activity/Serial No.					P-1 Item Nomenclature	
	OTHER PROCUREMENT / 4 / Initial Spares					INITIAL SPARES - C&E (8S9100)
Program Elements for Code B Items			Code	Other Related Program Elements	ım Elements	
Suctom	EV 1006	EV 1007	EV 1000	1000		
SINCGARS	1.6	1.3	1.5	1.4		
Defense Satellite Comm	0.9	3.9	8.4	16.0		
NON-PEO	6.3	6.4	3.8	3.3		
SENTINEL	2.3	3.6	5.3	7.2		
TACSAT	5.7	3.4	1.0	7.2		
SMART-T		1.6	1.0	1.4		
Army Data Distribution Sys	4.4	2.4	3.4	0.7		
Joint Stars (Army) (TIARA)	3.5	9.8	6.3	8.7		
PEO IEW .	26.7	15.8	11.8	15.2		
PEO STAMIS - OTHER	3.3	3.2	3.3	3.3		
MCS Spares	0.2	0.9				
Total	64.3	57.2	53.3	73.4		
T. (2)						

				•	;			Date:				
		Exhibit P-4	Exhibit P-40, Budget Item J	em Justifice	ustification Sheet					February 1998		
Appropriation / Budget Activity/Serial No:	rial No:					P-1 Item Nomenclature:	ıre:					
	отнея Ряосияе	OTHER PROCUREMENT / 4 / Initial Spares	ares					INITIAL SPARES	INITIAL SPARES - OTHER SUPPORT EQUIP (MS3500)	EQUIP (MS3500)		-
Program Elements for Code B Items:	ns:			Code:	Other Related Program Elements:	am Elements:						
	Prior Years	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Prod
Proc Qty												3
Gross Cost	0.0	0:0	0.2	9.0	6.0	1.2	0.7	0.7	0.7	0.7	0.0	5.7
Less PY Adv Proc												
Plus CY Adv Proc												
Net Proc (P-1)	0.0	0.0	0.2	9:0	6.0	1.2	0.7	0.7	0.7	0.7	0.0	5.7
Initial Spares												
Total Proc Cost	0.0	0.0	0.2	9.0	6.0	1.2	0.7	0.7	0.7	0.7	0.0	5.7
Flyaway U/C												
Wpn Sys Proc U/C		•										
Description: Provides for procurement of spares to support initial fielding of new or modified end items.	es for procurer	nent of spar	es to support	initial fielding	g of new or n	nodified end i	tems.					

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Justification: The funds in this account procure depot level reparable (DLRs) secondary items from the Supply Management, Army activity of the Army Working Capital Fund. To provide initial support, funds are normally required in the same year that end items are fielded. Initial spares breakout:

<u>FY 1997</u> FY 199 <u>8</u> FY 199 <u>9</u>	0.4	0.2 0.2 0.2	0.1 0.1	0.3 0.6 0.6	
System FY 1996	LOGISTICS OVER THE SHORE	ITEMS < \$2.0M (CONST EQUIP)	ITEMS < \$2.0M (MHE)	SMOKE OBSCURE TARGET 0.2	